



BUILDING DEPARTMENT
(847) 395-1000
FAX: (847) 395-1920
Hours: 8:00 am – 4:30pm

An On-Site Inspection is needed before permit approval. Mark out the location of the swimming pool, spa or hot tub, contact J.U.L.I.E. at 800-892-0123 and then contact the building department at the number listed above to set up an on-site inspection

RESIDENTIAL SWIMMING POOLS, SPAS & HOT TUBS

Below you will find a summary of code requirements for swimming pool/spa installation within the Village of Antioch, based upon the 2003 International Residential Code. **THIS IS ONLY A SUMMARY**. You may find it helpful to become more familiar with the Building Code, as you are choosing your swimming pool, spa or hot tub. Please feel free to call the Plans Examiner at (847) 395-1000 if you have any questions.

WHERE CAN MY POOL, SPA OR HOT TUB BE LOCATED?

- The pool, spa or hot tub cannot be located less than ten feet from any overhead utilities, or less than five feet from any underground utilities. Must be 8' from principal structure.
- No pool, spa, hot tub or deck may be placed within any required front yard, corner side or side yard.
- Pools cannot obstruct natural or designed drainage patterns.
- IN-GROUND POOLS. Can be located within 10' of the rear lot line. No portion of a concrete patio, as a part of an in-ground pool, shall be located in any drainage, utility easement or within ten feet (10') of the rear property line.
- ABOVE-GROUND POOLS. Cannot be located within 25' of the rear lot line.
- No pool shall be located in an easement.
- The pool, spa or hot tub, as well as all other structures on the property, cannot exceed more than 35% of the lot area.

FILLING SWIMMING POOL WITH WATER

- **THE POOL MAY NOT BE FILLED IN EXCESS OF ONE THIRD OF ITS CAPACITY WITH WATER UNTIL THE REQUIRED BARRIER IS INSTALLED AND APPROVED. USE OF THE POOL IS NOT ALLOWED UNTIL FINAL APPROVAL**
- **DO NOT DISCHARGE POOL WATER TO STORM DRAINS OR WETLANDS WHEN EMPTYING POOL. DISCHARGE TO YOUR OWN YARD AWAY FROM ADJACENT PROPERTY.**

BARRIER/FENCING/GUARDING

- Every in ground pool, or pool less than 48” high from grade to top of the pool, located on a lot used for residential purposes, shall be completely enclosed by a barrier four feet in height above grade of any walking surface such as decks, steps, ladders or platforms. If a fence is the barrier it shall have suitable gates and self-closing, self-latching devices. Self-latching devices are to be located on the interior side of the gate, and not allow a child to reach over or through the gate or fence for access. Any access to the pool and point of entry to the pool must have a 48” barrier.
- Fencing shall be non-climbable for a child, (i.e., pickets must be spaced less than two inches apart, and horizontal bracing may not create a ladder or stepping mechanism)
- Fencing shall be installed prior to filling the pool with water.
- All doors with direct access to the pool and inside the enclosure area shall be equipped with an alarm.
- Spa/Hot Tubs with locking covers are not required to have fencing. Covers shall be installed at the time of final inspection.
- Complete and submit the Electrical Information Sheet. The Information Sheet is required in order to complete the plan review.

ELECTRICAL

- The electrical wiring shall be installed underground in rigid metal conduit or PVC or IML and must be equipped with a GFCI (Ground Fault Circuit Interrupter) device.
- Electric pipe must be buried a minimum of 12” below grade.
- All underground utilities must be a minimum of 5’ horizontally from any wall of the pool. Overhead utilities shall not be located within 10’ horizontally of any pool wall and the waters edge.
- All junction boxes and conduit shall be weather tight and approved for wet locations.
- The electric shall comply with the Swimming Pool Requirements of the NEC 2002 Section 680 and all other appropriate sections.
- Extension cords are not allowed for the operation of pool equipment.
- A weather proof bubble cover must be used for all outlets

WHAT INFORMATION DO I NEED TO SUBMIT FOR A PERMIT

- Completed Application.
- Proposal from Contractor; if applicable.
- Three Certified Scalable Copies of the Plat of Survey, *in its entirety*, indicating the location of the pool, pool dimensions, pool location, height of the required fence, and the type and location of the electrical service line. Indicate side and rear setbacks.
- Three Detailed Drawings for the deck construction, including materials and dimensions, including height of pool from grade to top of pool.
- Three Plans showing the house and the locations of all doors adjacent to the pool.
- Indicate the pool, pool pump, pool heater, deck, fence and all electric on the plans.
- Provide Specification Sheets for all Equipment. Provide Detailed Information on all Electrical Equipment, Grounding and Bonding.
- Provide Detailed Information for any required alarms
- Copy of the Homeowner’s Association Approval Letter or sign Disclosure (attached) whichever is applicable.

WHAT HAPPENS NEXT?

We will contact you by phone or fax within 5 – 10 business days to inform you when your permit is ready to be picked up. Work cannot be started until the permit is paid for and picked up. The permit must be picked up in person. We accept cash or checks. If there are additional items needed before permit issuance we will try to contact you as soon as possible.

HOW MUCH WILL MY PERMIT COST?

Permit fees are determined by the cost of construction (2%), or a minimum of \$50.00, which includes plan review fees, and all inspections. Per Village Ordinance 09-11-32 50% of the fee shall be collected at the time of permit submission (application).

Per Village Ordinance 09-08-23 an electronic filing fee will be assessed. If electronic documents are not provided by the applicant, each application for a site development or building permit fee shall be accompanied by a 10 dollar flat fee plus, 8 dollars for each 24” by 36” full sized plan sheet and 1 dollar per 11” by 17” or smaller sheet.

WHAT INSPECTIONS ARE REQUIRED?

1. On-site inspection required as a condition of permit issuance. Swimming pool, hot tub or spa location is to be clearly marked with J.U.L.I.E. locates in place.
2. Trench (before electrical wire is buried).
3. Bonding (after the in-ground pool steel is in place and before pouring concrete; in ground pools only).
4. Post Holes (after post holes for the fence and/or deck are dug, prior to pouring concrete; for those pools with decks or fences only).
5. Framing (after the frame work for the deck is complete; for those pools with decks only).
6. Final (for the deck, fence, spa and/or pool)

INSPECTIONS ARE SCHEDULED MONDAY THROUGH FRIDAY BY CONTACTING THE BUILDING DEPARTMENT AT (847) 395-1000 BEFORE 2:00 P.M. THE PREVIOUS DAY BEFORE THE INSPECTION IS NEEDED. THIS IS A MINIMUM, DEPENDING ON THE WORKLOAD; IT MAY NOT ALWAYS BE POSSIBLE TO SCHEDULE AN INSPECTION FOR THE FOLLOWING DAY.

PROVIDE PERMIT NUMBER AND ADDRESS WHEN CALLING IN FOR INSPECTIONS.

IF THE INSPECTOR NEEDS TO RETURN FOR THE SAME INSPECTION, A \$150.00 RE-INSPECTION FEE IS REQUIRED TO BE PAID BEFORE A RE-INSPECTION CAN BE SCHEDULED.

NO RE-INSPECTION ON THE SAME PHASE OF CONSTRUCTION SHALL BE DONE IN THE SAME 24-HOUR PERIOD.

THIS IS TO SERVE AS WRITTEN DOCUMENTATION THAT I WILL COMPLY WITH ANY/ALL REVIEW COMMENTS RECEIVED FROM THE INSPECTORS OF THE VILLAGE OF ANTIOCH AS THEY PERTAIN TO THE ISSUANCE OF PERMIT NUMBER

_____.

Further, this is to serve as written notice that NO ADDITIONAL OPTIONS will be incorporated into Construction Permit "after-the-fact". Should any additional options/revisions be required/desired after this permit has been issued and construction has begun, the work on said options/revisions will NOT begin until such time that the Permits Coordinator or the Chief Building Inspector has been contacted and informed of any/all revisions/options. This will allow for appropriate revisions to be added to the plan submitted and for file to be maintained appropriately, allowing for proper authorization of same. It will also allow for proper fee structure to be applied and for all necessary paperwork to be completed and reviewed by our Inspectors prior to the additional options/revisions being incorporated into this particular permit application.

This permit (once issued) will cover only the work specified on the plan submitted. I understand that a signed/notarized Contractor's Statement may be required at the time that the construction is ready for a Final Inspection.

If any changes occur with regards to the sub-contractors reflected on the permit, notice will be given to the Village (in writing) so that all appropriate insurance and bonding requirements will be met PRIOR to that portion of the work beginning.

I am aware of the review comments made by the Inspectors and will adhere to their findings. All concerns regarding this application for permit have been addressed. Signing of this is an acknowledgment of that fact and also the understanding that I will also comply with/adhere to any/all comments, concerns, adjustments or determinations of the Village Inspectors which may result at the site, once work is in progress.

The property-in-question may be subject to Covenants, Conditions, and Restrictions (CCR's), which are private restrictions subject to enforcement by a Homeowners' Association. In issuing any construction permit, the Village of Antioch makes no representation that the approved plans comply with the provisions of the CCR's.

NOTE: Building Plans are to be kept on site as per Building Code

THE APPLICANT ACKNOWLEDGES TO HAVE READ THE ABOVE, AND AGREES TO SAME.

Signature

Date

PERMANENTLY INSTALLED SWIMMING POOL CHECK LIST TO THE 2002 NEC

1. _____ Is there underground conductor within 5' horizontally from the inside wall at the pool? 680.10
2. _____ Is there overhead Electrical Conductors in the area extending 10' horizontally from the inside wall of the pool and 22.5' up from water level? 680.8
3. _____ Is the pump motor third party listed to U.S. standards with a label for pool motor? (UL1081 is the standard) 110.3(B)
4. _____ Is the cord on the pump motor #12 wiring and no longer than 3' with a twist lock cord cap? 680.7
5. _____ Is the receptacle 5' from the inside pool wall? 680.22(A)(1)
6. _____ Is the receptacle a twist-lock and protected by GFCI? 680.5 This must be a GFCI breaker or GFCI face-less type outlet or GFCI outlet, rated for the h.p. at the pump. (GFCI outlets can only do up to 1 ½ h.p. motors).
7. _____ Is the cover for the receptacle an in-use cover? 406.8(B)(1)
8. _____ Is there a GFCI general purpose outlet on a general purpose circuit 10' from pool wall and not more than 20'? 680.22(A)(3)
9. _____ Is there a disconnecting switch located at least 5' from the inside wall of the pool? 680.12
10. _____ Is the raceway of the type of rigid heavy wall metal conduit, intermediate metal conduit or rigid nonmetallic conduit (PVC) and listed for electrical use? 680.21(A)(1) 110.3(B)
11. _____ Is the raceway buried to the correct depth? RMC, IMC=6" and PVC 18" from the top of the conduit to grade. 300.5 and Table 300.5
12. _____ There must be a minimum of a #12 green wire installed in the raceway. 680.21(A)(1) The wire must be green in color. 250.119
13. _____ The grounding conductor must pick up all junction boxes, light fixtures, pump motors, transformer enclosures, device like switches, outlets, etc. 680.6

14. _____ Is there a grounding conductor between panel boards that are not part of the service equipment sub panels and that supply any electric equipment associates with the pool? 680.25 The wire shall be sized in accordance with table 250.122 and shall also be insulated.
15. _____ The bonding conductor must be a solid #8 copper wire. (Bare conductor is OK) This wire must pick up pool frame (upper and lower ring if metal) and pump motor, pool heater (if one) and RMC or IMC piping, and any metallic part within 5' of the pool. 680.26(B)(1)(2)(3)(4) and (5)
16. _____ Is the bonding conductor connection done with a clamp of the type of stainless steel, brass, or copper? (No zinc parts) 680.26(C)
17. _____ Double insulated pump motors do not have to be bonded with the solid #8 but must have a #12 green wire to them.
18. _____ If RNC (PVC) is used with RNC PVC boxes, these items must be listed for electrical and sunlight resistant. Support and expansion fitting may be needed. Article 352 (No plumbing type pipes).

DISCLOSURE REGARDING PRIVATE COVENANTS

The undersigned owner of property (listed below) in the Village of Antioch hereby acknowledge that the Village of Antioch has advised them that there may be private covenants, restrictions and conditions of record (the "private covenants") which do not allow the undersigned to execute the type of work requested, even though doing so may be allowed under the Village's ordinances upon issuance of a building permit. The Village does not enforce private covenants. However, under most private covenants a homeowner's association or any owner or owners in a subdivision have the power to enforce the covenants, including making you remove the improvements and paying for their attorney's fees if they are successful in any litigation to enforce the private covenants. If you are not sure whether the private covenants allow you to make proposed improvements, you should review the private covenants before installing them

and entering into a contract to have the improvements installed by a contractor or yourself.

Owner

Owner

Address

____ - ____ - ____ - ____
Pin Number