



Village of Tinley Park - Building Department  
In-Ground Swimming Pool  
Permit Requirements

16250 S. Oak Park Avenue  
Tinley Park, Illinois 60477  
(708) 444-5100 Fax (708) 444-5199  
Email: Building@tinleypark.org  
www.tinleypark.org

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The following items are necessary to process your application. If anything is missing, your application will be considered incomplete and will not be processed.

- Date of Application
- Project Address
- Cost of Project
- Project Description
  - Indicate the size of the pool and walkways
  - Indicate if there is an existing fence
- All contractors hired on the project: name, address, and phone number (indicate "Homeowner" if a licensed contractor is not being used.)
- Provide manufacturer's specifications on all equipment
- Provide a scope of work on all aspects of pool/equipment/decking installation.
- Provide plat of survey, grading and landscaping plan that highlights ComEd line locations and/or equipment.
- Sign and Date permit application

### **Location**

No pool including surrounding decking or sidewalk, pumps, filters, and pool water disinfection equipment installations, shall be placed less than five (5) feet from the property lines. Nothing is allowed to be placed in any easement area.

### **Walk Area**

Unobstructed walk areas not less than 36 inches wide shall be provided to extend entirely around the pool. The walk area shall be constructed of impervious material, and the surfaces shall be of such as to be smooth and easily cleaned

and of nonslip construction. The slope of the walks shall have a pitch of at least  $\frac{1}{4}$  inch to the foot, designed so as to prevent back drainage from entering the pool.

### **Fence/Dwelling As a Barrier**

The pool must be completely fenced with a locking gate **no less than five (5) feet in height but not more than six (6) feet**. If the house is being used as a barrier, see attached fencing requirements.

### **DWELLING WALL AS A BARRIER:**

Where a wall of the dwelling serves as part of the barrier, one of the following shall apply:

Doors with direct access to the pool through that wall shall be equipped with an alarm that produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed in accordance with UL 2017. The audible alarm shall activate within seven (7) seconds and sound continuously for a minimum of 30 seconds after the door and/or its screen, if present, are opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. In dwelling does not require to be Accessible, Type A or Type B units, the deactivation switch shall be located 54 inches (1372 mm) or more above the threshold of the door. In dwellings required to be Accessible, Type A or Type B units, the deactivation switch(es) shall be located at 54 inches (1372 mm) maximum and 48 inches minimum above the threshold of the door.

The pool shall be equipped with a power safety cover that complies with ASTM F 1346.

Other means of protection, such as self-closing doors with self-latching devices, which are approved by the administrative authority, shall be accepted so long as the degree of protection afforded is not less than the protection afforded by Section 3109.4.1.8, Item 1 or 2. (IBC Building Code).

## **Water Supply**

No source of water other than that secured from the Village of Tinley Park Water Department shall be used in swimming pools.

## **Steps and Ladders**

Two or more means of egress in the form of steps or ladders shall be provided for all swimming pools. At least one means of egress shall be located on a side of the pool at both deep end and shallow end of the pool. Treads of steps and ladders shall be constructed of nonslip material and at least three inches wide for their full length. Steps and ladders shall have a handrail on both sides.

## **Structural Design**

Swimming pools shall be designed to withstand the water pressure from within and to resist the pressure of the earth when the pool is empty, to a pressure of 2,200 pounds per square foot. The slope of the bottom of any part of a pool in which the water is less than five (5) feet in depth shall not be more than one foot in each ten (10) feet. The maximum slope where water is five (5) feet or more in depth shall not exceed one (1) foot in two (2) feet.

## **Walls/Floors**

Swimming pool walls and floors shall be constructed of any impervious material which will provide a tight tank with white or light-colored finish and easily cleaned surfaces. The floor or bottom surface of the pool shall have a nonslip finish as smooth as possible. The side and end walls of a pool shall present a smooth finish and shall be vertical to a depth of at least six feet or shall have a slope or curvature meeting one of the following conditions:

1. The pool wall may be vertical for 30 inches from the water level, below which the wall may be curved to the bottom with a radius at any point equal to the difference between the depth at that point, and 30 inches.
2. To a depth of six feet, except as in division (1) above, the wall's slope shall be more than one foot horizontal in six feet vertical.

## **Skimmers**

In every swimming pool, at least one skimming device shall be provided for each 800 square feet of surface area or fraction thereof. Handholds shall be provided and consist of a bull-nosed coping not over 2 ½ inches thick for the outer two inches above the normal water line. Swimming devices shall be built into the pool wall, shall adequately remove floated oils and waste and shall meet the following general specifications:

1. Each skimmer shall be designed for a flow-through rate of at least 30 gallons per minute and a total capacity of all skimmers on any pool shall be at least 50% of the required filter flow of the re circulation system.
2. They shall be automatically adjustable to variations in water level over a range of at least three inches.
3. An easily removable and cleanable basket or screen through which all overflow water must pass shall be provided to trap large solids.
4. The skimmer shall be provided with a device to prevent airlock in the suction line. If an equalizer pipe is used, it shall provide an adequate amount of make-up water for pump suction should the water of the pool drop below the weir level. This pipe shall be at least two inches in diameter and shall be located at least one foot below the lowest overflow level of skimmer.
5. An equalizer line shall be provided with a valve that will remain tightly closed under normal operating conditions, but will automatically open at a differential of not more than four inches between the pool level and the level of the overflow tank.
6. The overflow weir shall be of sufficient length to maintain a rate of flow of at least 20 gallons per minute per lineal foot of weir lip.

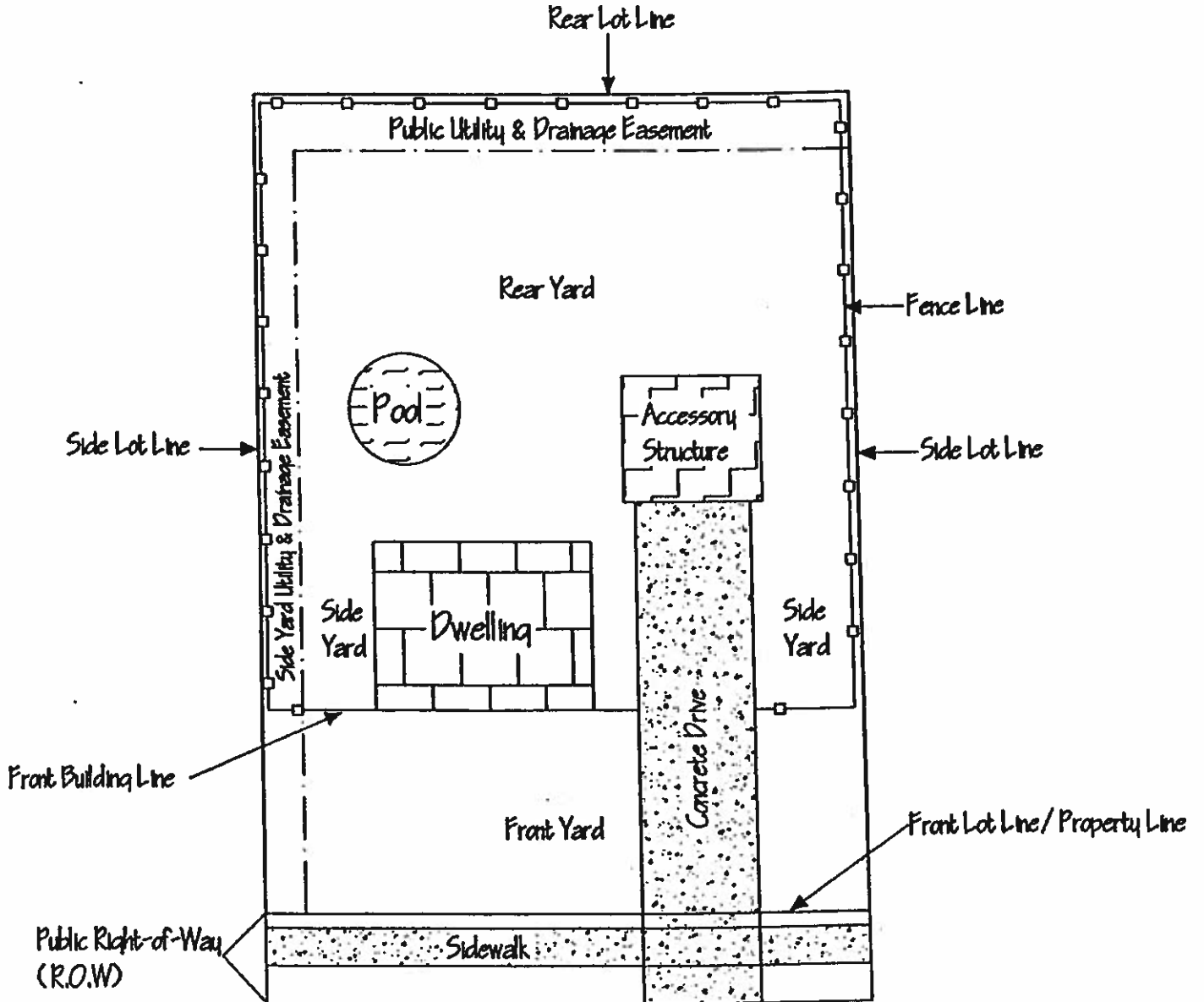
**If you have any questions, please contact the Building Department at (708) 444-5100.**



# How to Read Your Plat of Survey

LOT 1 IN BLOCK 1 IN TINLEY PARK VILLAS, A SUBDIVISION IN THE WEST 1/2 OF SECTION 30, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

(sample description)



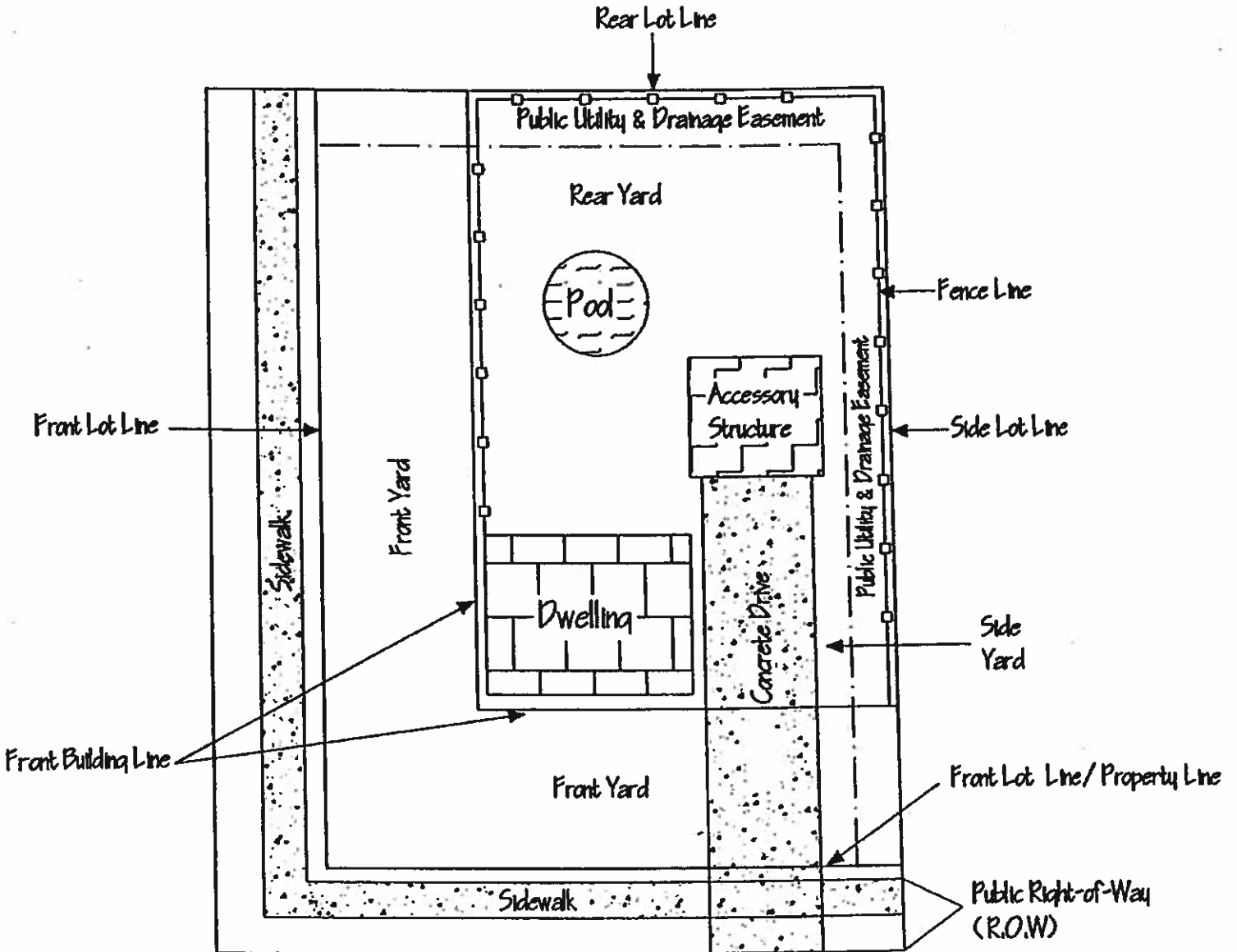
Contact Tinley Park Building & Planning Department at (708) 444-5100 for further questions



# How to Read Your Corner Lot Plat of Survey

LOT 1 IN BLOCK 1 IN TINLEY PARK VILLAS, A SUBDIVISION IN THE WEST  
1/2 OF SECTION 30, TOWNSHIP 36 NORTH, RANGE 13 EAST OF THE  
THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

(sample description)



Contact Tinley Park Building & Planning Department at  
(708) 444-5100 for further questions

**VILLAGE OF TINLEY PARK**  
**RESIDENTIAL SWIMMING POOL ELECTRICAL**  
**INFORMATION**

2017 National Electric Code (NEC)

This is not an all-inclusive list of all the requirements of the 2017 National Electrical Code (NEC) Article 680. However, the following information is a basic overview of some of the key points of Article 680. Installations shall comply with all of the requirements of the 2017 NEC.

**General Requirements**

- 1) Placement of installation of pools shall maintain clearances from overhead conductors, communication cables, and underground wiring. (Section 680.8 and 680.10 of the 2011NEC)
- 2) NEC 3005 - Branch circuits for pool associated motors shall comply with this section for underground installations {UF cable not permitted see 680.21, (A)(I)}. Conductors Installed underground in conduit shall be listed for wet installations.
- 3) NEC 680.21 (A)(I) -The branch circuits for pool associated motors shall be Installed in rigid metal conduits, intermediate metal conduit, rigid polyvinyl chloride conduit, reinforced thermosetting resin conduit, or Type MC cable listed for the location. Other wiring methods and materials shall be permitted in specific locations or applications as covered in this section. Any wiring method employed shall contain an insulated copper equipment grounding conductor sized in accordance with 250,122 but not smaller than 12AWG.
- 4) NEC 680.22 (A)(3) - Where a permanently installed pool is installed at a dwelling unit(s), no fewer than one (1) 125-volt, 15 or 20 ampere receptacles on a general purpose branch circuit shall be located not less than six (6) feet from, and not more than 20 feet from the inside wall of the pool. This receptacle shall not be located more than six (6) feet six (6) inches above the floor platform, or grade level serving the pool.
- 5) NEC 680.22 (A)(4) -All 15 and 20 ampere receptacles located within 20 feet of the inside walls of a pool shall be protected by a ground fault circuit interrupter. The receptacle shall be tamper resistant per section 406.12, and shall be listed as weather resistant type per 406.9 (A). Weather Proof Cover Required.
- 6) NEC 680.21 (C) - GFCI Protection - Outlets supplying pool pump motors connected to single-phase, 120 volt through 240-volt branch circuits, rated 15 or 20 amperes, whether by receptacle or by direct connection, shall be provided with ground-fault circuit-Interrupter protection for personnel.

**Pool Bonding**

- 7) NEC 680.26 (B) Bonded Parts - The parts specified in 680.26 (B) (II through (B) (7) shall be bonded together using solid copper conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. Connections to be bonded parts shall be made in accordance with 250.8. An 8 AWG or larger solid copper bonding conductor provided to reduce voltage gradients in the pool area shall not be required to be extended or attached to remote panelboards, service equipment, or electrodes.
- 8) NEC 680.26 (B) (2) - Perimeter Surfaces - the perimeter surface shall extend three (3) feet horizontally beyond the inside walls of the pool and shall include unpaved surfaces as well as poured concrete surfaces and other types of paving. Perimeter surfaces less than three (3) feet separated by a permanent wall or building five (5) feet in height or more shall require equipotential bonding on the pool side of the permanent wall or building. Bonding to perimeter surfaces shall be provided as specified in 680.26 (B) (2) (a) or (2) (b) and shall be attached to the pool reinforcing steel or copper conductor grid as a minimum of four (4) points uniformly spaced around the perimeter of the pool. For non-conductive pools shells, bonding at four (4) points not be required. According to this section, the bonding conductor (#8 AWG) shall be installed 18 inches - 24 inches from the inside walls of the pool, following the contour of the perimeter surface around the pool, and shall be attached to the pool or grid at a minimum of four (4) points uniformly spaced. The conductor shall be secured within or underneath the perimeter surface four (4) inches - six (6) inches below the sub-grade. Only listed splices shall be permitted.
- 101 NEC 680.26 (C) - Pool Water - An intentional bond of a minimum conductive surface area of nine (9) inches squared shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26 (8).

VILLAGE OF TINLEY PARK  
RESIDENTIAL SWIMMING POOL GENERAL INFORMATION  
2021 International Residential Code

Any structure intended for swimming or recreational bathing that contains water more than 24 inches (610 mm) deep. This includes In-ground, above- ground and on-ground swimming pools, hot tubs and spas.

Outdoor swimming pools, including an in-ground, above-ground or on-ground pool, hot tub or spa that requires a permit will have barrier requirements, such as, but not limited to:

1. The top of the barrier must be at least 60" above grade.
2. Openings In the barrier must not allow passage of a 4-inch-diameter sphere.
3. Access gates must be self-latching and self-closing and open outward away from the pool. Where the release mechanism is located less than 54" from the bottom of the gate it must comply with the following:
  - a. The release mechanism must be located on the pool side of the gate at least 3" below the top of the gate; **and**
  - b. The gate and barrier must have no opening larger than ½ inch within 18 Inches of the release mechanism.
4. Where a wall of a dwelling serves as part of the barrier, one of the following conditions must be met:
  - a. The pool must be equipped with a powered safety cover in compliance with ASTM F 1346; or
  - b. Doors with direct access to the pool through that wall must be equipped with an alarm (listed and labeled in accordance with UL 2017) which produces an audible warning when the door and/or its screen, if present are opened. The deactivation switch(s) must be located at least 54 Inches above the threshold of the door; or
  - c. Other means of protection, such as self-dosing doors with self-latching devices, {and which are approved by the Building Official), shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by the above items. You must provide documentation of the alternate device to the Village of Tinley Park Building Department for a determination of acceptability.
5. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure and the means of access is a ladder or step. the ladder or steps shall be capable of being secured, locked or removed to prevent access or they must be surrounded by a barrier that meets all code requirements.

***Exceptions: Portable residential spa and portable residential exercise spas.***

We recommend that the barrier requirements also be used for pools that do not require a permit for the reason of health and life safety of neighborhood children. You may also want to contact your insurance agent.

***For additional information and requirements please see the 2012 IRC Appendix G.***

**Energy Code – International Swimming Pool & Spa Code**

**General** - The energy requirements for pools and In-ground permanently Installed spas shall be as specified in Sections 303.2 through 303.4 and APSP 15. The energy requirements for residential portable electric spa shall be in accordance with APSP14.

**Heaters - Heaters** shall be equipped with external on-off switch without adjusting the thermostat setting. Such switch shall be provided with ready access. Gas-fired heaters shall not be equipped with continuous pilot burners.

**Time switches** - Time switches or other control methods that can automatically turn off and on heaters and pumps according to a present schedule shall be installed with or on all heaters and pumps. Heaters, pumps and motors that have built-in timers shall be deemed in compliance with these requirements.

**Equipment** - All equipment must be listed and Labeled for the installation.





**Village of Tinley Park  
Residential Permit Application  
16250 Oak Park Avenue, Tinley Park, IL 60477  
(708) 444-5100 Fax (708) 444-5199**

Date of Application \_\_\_\_\_ Permit # \_\_\_\_\_

Name(s) of Property Owner(s) \_\_\_\_\_ Phone \_\_\_\_\_

Email Address (required) \_\_\_\_\_

Address of Project: \_\_\_\_\_

Description of Project: (please provide all dimensions, materials: for example: wooden shed 10ft L x 10ft W x 15 H)  
\_\_\_\_\_  
\_\_\_\_\_

Total Cost of Project: \_\_\_\_\_

**CONTRACTOR INFORMATION**

*(Please provide Name, Address, and Phone)*

*All contractors must be licensed and bonded with The Village of Tinley Park.*

<p><b>General</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Carpentry</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Concrete</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Drywall</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Electric</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Excavator</b> _____ Address _____ City _____ State _____ Phone _____</p>	<p><b>HVAC</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Masonry</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Paving</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Plumbing</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Roofing</b> _____ Address: _____ City _____ State _____ Phone _____</p> <p><b>Sewer</b> _____ Address: _____ City _____ State _____ Phone _____</p>
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Signature of Applicant(s) \_\_\_\_\_  
Please check if applicant is owner \_\_\_\_\_ or contractor \_\_\_\_\_