

Village Of Stickney

Concrete Construction Requirements

A PERMIT IS REQUIRED...

- * To install, alter, or replace concrete (including stairs, private walks, public walks, driveways, patios).

A PERMIT APPLICATION FOR CONCRETE CONSTRUCTION INCLUDES...

- * A completed concrete permit application.
- * A recent plat of survey drawn to scale showing location of concrete, and size and dimensions to the property lines.
- * **A complete description of location and specifications.**

CONCRETE CONSTRUCTION DEPTH REQUIREMENTS

- * **Sidewalks** - require a minimum of 4-6" of compacted gravel and 4" of concrete.
- * **Garage Slab** - require a minimum of 5" of concrete with welded wire fabric over a minimum of 4-6" of compacted gravel. Slope slab a minimum of 2" towards the overhead garage door. Provide one layer of 6 mil vapor barrier (lapped 6' minimum) over compacted gravel. 3/8" minimum reinforcing bars are required every 12 inches along any foundation wall where there will be vehicular traffic.
- * **Driveways** - require a minimum 5" thick concrete with welded wire fabric placed on 4" minimum well compacted gravel base. Reinforcing bars required every 12" along foundation walls where vehicular traffic will be present.
- * **Driveway Approach** - require a minimum of 6" thick concrete with welded wire fabric placed on 4" minimum well compacted gravel base. Main walk must be 6" thick concrete at driveway and approach.
- * **Foundation walls** - require 8" minimum thick concrete for frame construction and includes 2-#4 continuous T. & B. Reinforcing Bars. 10" minimum thick concrete required for brick veneer construction. All anchor bolts shall be 1/2" round, 7" embedment, 6'-0" o.c. (maximum spacing), 12" from each corner, and 2" minimum per sill plate.
- * **Garage Floor Slab** - require 5" minimum thickness for frame construction with welded wire fabric placed on 4" minimum thick well compacted gravel fill. Slope slab toward overhead door a minimum of 2". Provide one layer of 6 mil vapor barrier (lapped 6" minimum at all joints) over compacted gravel. Reinforcing bars required a minimum every 12" to foundation walls for attached garages.
- * **Patio Slab** - require 4" thick minimum concrete with welded wire fabric over 4" minimum thick compacted gravel fill. Slope slab away from building.
- * **Porches and Stoops** - require 4" minimum thick concrete with welded wire fabric over 4" minimum thick compacted gravel fill. Slope slab away from the building.
- * **Post Holes** - 12" diameter, 42" minimum depth below finished grade and 2" minimum above grade. **Fence post** hole minimum depth is 36" below finished grade and the diameter of hole should be 3 times the width of the fence post.

WALKS-PUBLIC - are required and consist of:

1. 2x6 form boards, no 2x4 forms are allowed.
2. Width 5'0"
3. 5" thick concrete on 5" thick minimum compacted CA-10 or CA-6 gravel fill.
4. 6" thick concrete at driveway, with welded wire fabric.
5. 5'0" on center construction joints.
6. 1'2" thick minimum at all expansion joints.
7. Slope 1/4" per foot toward curb.
8. Wire fabric required throughout driveway.
9. Driveway apron - 6" thick concrete with welded wire fabric.
10. Accessibility required at corner lot intersections with detectable warning tiles.

WALKS-SERVICE - require 4" minimum thick concrete over 4" minimum thick compacted gravel fill. All sloping walks or driveways should be no greater than 1/4" per foot.

NOTES:

DEBRIS - shall be removed in all areas of concrete placement.

FROST - shall be removed completely. No concrete shall be poured when frost is present in area of placement.

WATER - All water shall be removed prior to concrete placement.

WELDED WIRE FABRIC - shall be lapped a minimum of one mesh, or 6", and be wired together to avoid displacement.

CONCRETE DEPTHS

PRIVATE SIDEWALK - 4"

GARAGE - 5"

APRON - 5-6"

COMPACTED GRAVEL FILL - minimum 4-6"

FULL PERIMETER 12X12 BELOW GRADE FOOTINGS FOR GARAGE

WIRE MESH NOT REQUIRED AT APRON BY ALLEY

FULL EXPANSION JOINTS FROM PUBLIC TO PRIVATE CONCRETE

PUBLIC SIDEWALK 5" MINIMUM CONCRETE

Concrete Construction Process

* Once **ALL** required documents have been turned in and the permit application and plans have been approved and if required J.U.L.I.E. has located all utilities the homeowner/contractor may begin the construction process.

* **2 inspections** are required with all concrete construction permits. 24 Hours are required to schedule either inspection.

1. Prepour- To measure depth and check location of concrete to be poured.
2. A final inspection upon completion of the concrete work.

To Schedule an INSPECTION: CALL THE BUILDING DEPARTMENT 708-749-4400

NOTE: Ways to notify J.U.L.I.E. to locate utilities before digging. 48 hour or two business day notice required.

1. Call 811 or 1-800-892-0123
2. Online via E-Request at www.illinois1call.com
3. Online via Remote Ticket Entry (RTE) The training and required software are free at www.illinois1call.com
4. Fax-a-Locate Program (which requires a 72 hour advance notice) at 815-741-5002.

Village of Stickney Building Department
Email: building@villageofstickney.com

6533 Pershing Rd.
Ph: 708-749-4400