



COMMERCIAL

GREASE TRAPS

VILLAGE OF LOMBARD | DEPARTMENT OF COMMUNITY DEVELOPMENT | BUILDING DIVISION

This handout was developed to identify the basic requirements and assist you with grease traps. The guidelines provided herein are by no means all-inclusive, but they do identify the most critical items that are involved in this type of project.

PERMITS REQUIRED? YES

REQUIRED INSPECTIONS: UNDERGROUND PLUMBING

To apply for a permit or schedule an inspection visit portal PERMITS@VILLAGEOFLOMBARD.ORG/ONLINEPERMITS

SUBMITTAL CHECKLIST (review process cannot begin without complete document submittal, please see the list below)

- ONLINE PORTAL PERMIT APPLICATION
- DOCUMENT SUBMITTAL (combine into a single PDF file):

BUILDING COMPLIANCE REVIEW

TO-SCALE AND DIMENSIONED DRAWINGS SHOWING:

- PLUMBING PLAN

DRAWINGS THAT ILLUSTRATE THE LAYOUT AND DESIGN OF THE PLUMBING SYSTEM. SHOWS LOCATION OF PIPES, FIXTURES, VALVES, AND MARKS THE DRAIN LINES, VENTS, AND PIPE SIZES.

ZONING AND DRAINAGE COMPLIANCE REVIEW

- PLAT OF SURVEY (IF OUTSIDE)

UP-TO-DATE PLAT SHOWING TO-SCALE: 1) THE LOCATION OF THE PROPOSED STRUCTURE, 2) DISTANCE TO THE PRINCIPAL RESIDENCE AND OTHER STRUCTURES, 3) SETBACKS FROM THE PROPERTY LINES, AND 4) APPROXIMATE LOCATION OF THE NEARBY UTILITY LINES.

Minimum standards for plumbing in the Village of Lombard, as adopted by the Illinois Department of Health, are prescribed by the Illinois State Plumbing Code. Regulations for plumbing fixtures, materials, and design and installation methods are adopted by the Illinois State Plumbing Code in the Lombard Municipal Code.

LIQUID HOLDING CAPACITY

- All grease interceptors shall be sized based on 100% of the connected fixtures' liquid-holding capacity. To determine the liquid holding capacity of the connected fixtures:

$$(L \times W \times H) / 231$$

The liquid holding capacity is the fixture basin length multiplied by the width multiplied by the height in inches, then divided by 231. This is then divided by a 1-minute drain time.

QUESTIONS OR CONCERNS? PLEASE CONTACT:

VILLAGE OF LOMBARD | DEPARTMENT OF COMMUNITY DEVELOPMENT | BUILDING DIVISION
255 EAST WILSON AVENUE, LOMBARD, IL 60148 | (630) 620-5750 | PERMITS@VILLAGEOFLOMBARD.ORG



$$\text{Ex: } \begin{matrix} L & W & H \\ (18 \text{ in.} & \times & 20 \text{ in.} & \times & 12 \text{ in.}) / 231 = 18.7 \text{ in.} \end{matrix}$$

$$18.7 \text{ in.} \times 3 \text{ sinks} = 56.1 \text{ in.}$$

$$56.1 \text{ in.} / 1 \text{ min.} = 56.1 \text{ in./min.}$$

FIGURE 1. LIQUID HOLDING CAPACITY EXAMPLE

- When two or more sinks or receptacles are connected to an interceptor, the liquid-holding capacity shall be based on the combined volume of all the fixtures served as calculated above in addition to the flow rate of other fixture types of the Illinois Plumbing Code by a one-minute drain time.
 - For sizing a hydro mechanical grease interceptor, the resulting units are taken as gallons per minute, and for the purpose of sizing a gravity grease interceptor, as gallons.
- This code shall not prohibit the installation of two grease interceptors installed in a parallel system which are not in a series as long as each interceptor is properly sized for the connected fixture holding capacity.

CONNECTION REQUIREMENTS

- Each Food Service Establishment shall have a control manhole or sampling chamber installed and located at a point downstream of the Grease Removal System.
- All kitchen drains and any other drains that may carry grease-laden waste shall be connected to this Grease Removal System, this includes but is not limited to vegetable sinks, prep sinks, pre-rinse sinks, wok lines, hand sinks, mop basins, floor drains, and bar sinks. No domestic sewage shall be routed to the Grease Removal System.
- If a Commercial Dishwasher is to be connected to a grease interceptor, it must either be a separate grease interceptor with no other fixture connected to it and sized for the dishwasher, or a grease interceptor that is 500 gallons or larger.
- The Illinois Plumbing Code Section 890.510(a)(3) prohibits an interceptor from accepting waste from a food waste disposal. Therefore, food waste disposals are prohibited from being installed in Food Service Establishments as all fixtures and drains that may waste fats, oils, and grease must be connected to an interceptor.

MANUFACTURING

- When there are space constraints in existing buildings or when calculated grease trap sizes are in between manufactured GPM ratings, please contact The Village of Lombard at 630-620-5750 or Glenbard Wastewater Authority at 630-790-1901.