



VILLAGE OF ARLINGTON HEIGHTS
 DEPARTMENT OF BUILDING & HEALTH SERVICES
 33 S. Arlington Heights Rd.
 Arlington Heights, IL 60005
 Phone (847) 368-5560
 Fax (847) 368-5975
 Website: www.vah.com

**SUMMARY OF GUTTER, DOWNSPOUT AND SUMP PUMP
 DISCHARGE REQUIREMENTS**

GUTTERS AND DOWNSPOUTS

Chapter 28 Zoning Regulations

6.6-5 Permitted Structures in Required Yards. The following shall not be considered to be obstructions when located in the required yards specified.

- F Denotes permitted obstruction in front and side yards adjoining streets
- S Denotes permitted obstruction in interior side yard
- R Denotes permitted obstruction in rear yards

6.6-5.1 Table of Permitted Obstructions [Partial] (F=Front S=Side R=Rear)

Gutters (maximum gutter size – 4 inch)	F	S	R
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Chapter 23 Building Regulations

**Article III Regulations and Standards for One- and Two-Family Dwellings;
 Adoption of the International Residential Code**

R903.4 Roof drainage. Unless roofs are sloped to drain over roof edges, roof drains shall be installed at each low point of the roof. Where roofs are sloped to drain over roof edges, gutters and downspouts are required. Where required for roof drainage, scuppers shall be placed level with the roof surface in a wall or parapet. The scupper shall be located as determined by the roof slope and contributing roof area. Gutters and downspouts shall comply with the following requirements:

1. Gutters and downspouts shall be installed on all dwelling units unless omission is specifically permitted by the Code Official.
2. Downspouts shall not be connected to the sanitary sewer system or to the footing drain tile system. All outlets shall discharge into the front or rear yards only through an open splash-block or as otherwise permitted by the Code Official.
3. Acceptable materials include the following:
 - i. 16 ounce, hard, cornice tempered copper,
 - ii. 26 gauge galvanized sheet metal with a 1.25 ounce total weight per square foot zinc coating,

- iii. Aluminum with a minimum gauge of 0.019,
- iv. Plastic, vinyl or other material as permitted by the Code Official.

R903.4.1 Overflow drains and scuppers. Where roof drains are required, overflow drains having the same size as the roof drains shall be installed with the inlet flow line located 2 inches above the low point of the roof, or overflow scuppers having three times the size of the roof drains and having a minimum opening height of 4 inches shall be installed in the adjacent parapet walls with inlet flow located 2 inches above the low point of the roof served. The installation and sizing of overflow drains, leaders and conductors shall comply with the Illinois Plumbing Code.

Chapter 24 Plumbing Regulations

Article IV Roof, Storm Water and Seepage Drains

Section 24-401 Roof Drainage. All buildings or parts of buildings shall be provided with approved water disposal for conducting rain water from the roof to means of disposal, in a manner so as to protect the walls and foundation of the building and adjacent structures from damage.

Section 24-402 Secondary Drainage Required. Secondary (emergency) roof drains or scuppers shall be provided where the roof perimeter construction extends above the roof in such a manner that water is not entrapped if the primary drains allow buildup for any reason.

Section 24-403 Separate Systems Required. Secondary roof drains shall have the end point of discharge separate from the primary system. Discharge shall be above grade, in a location that would normally be observed by the building occupants or maintenance personnel.

Section 24-404 Downspout Trap. Every rain water leader or downspout which is permitted under the provisions of this Code to be connected to a combined sewer shall be effectively trapped. These leaders or downspouts shall not be permitted in residential construction.

Section 405 Inside Downspouts. Every downspout placed within the walls of a building shall be of service weight cast iron, no-hub cast iron, or minimum of PVC (Poly Vinyl Chloride) Schedule 40. A gas and watertight connection shall be made at the roof. All downspouts and piping in a building shall be insulated with fiberglass insulation. The minimum thickness is to be one-half inch. All joints shall have plastic fitting covers; roof pans shall also be insulated.

Exception: Refer to Section 24-502 for buildings greater than three stories in height.

Section 24-406 Footing Drains. Where subsoil drains are placed under the basement floor, they shall be of heavy duty corrugated plastic drainage tubing or other approved

pipe not less than four inches in diameter, wrapped with an approved filter membrane material per International Residential Code (IRC) Section R405.1 and shall discharge into an approved sump.

Section 24-407 Prohibited Uses. No downspout or leader pipe shall discharge into any soil or waste stack nor shall any downspout receive waste water from any plumbing fixture. No downspout shall be used to vent a plumbing fixture.

Chapter 22 Sewers

Section 22-106(b) Sump Pump Discharge. The discharge piping from sump pumps installed to receive and discharge ground waters or other storm waters shall be terminated no more than ten feet from the building unless written approval is granted by the Director of Engineering. The storm water discharged shall be directed so as to not create a nuisance on any adjacent property.