VILLAGE OF HARWOOD HEIGHTS
COOK COUNTY, ILLINOIS

ORDINANCE NO. 20 - 09

AN ORDINANCE AMENDING TITLE 15 ("BUILDINGS AND CONSTRUCTION"), OF THE VILLAGE OF HARWOOD HEIGHTS CODE OF ORDINANCES TO PROVIDE FOR THE ADOPTION BY REFERENCE OF UPDATED TECHNICAL BUILDING CODES AND FURTHER AMENDING CERTAIN PROVISIONS OF SUCH CODES FOR THE VILLAGE OF HARWOOD HEIGHTS, COOK COUNTY ILLINOIS

Passed by the Board of Trustees, April 8, 2020

Printed and Published, April 8, 2020

Printed and Published in Pamphlet Form
By Authority of the Village Board of Trustees

VILLAGE OF HARWOOD HEIGHTS
COOK COUNTY, ILLINOIS

I hereby certify that this document was
properly published on the date stated above.

Village Clerk

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WHEREAS, the Village of Harwood Heights (the "Village") is an Illinois municipal corporation organized and operating pursuant to authority granted by the Constitution and Laws of the State of Illinois;

WHEREAS, the Village is a home rule unit of government pursuant to Section 6(a), Article VII of the 1970 Illinois Constitution;

WHEREAS, pursuant to its home rule power, the Village may exercise any power and perform any function relating to its government and affairs;

WHEREAS the Village has in place ordinances that protect the health, safety and welfare of its residents;

WHEREAS, the Village may, pursuant to Article 11, Divisions 30 to 39 of the Illinois Municipal Code, 65 ILCS 5/11-30-1, *et seq.*, regulate and control the construction, alteration and maintenance of buildings and structures, parts thereof and systems therein;

WHEREAS, the Village is granted authority to regulate fire safety by Article 11, Division 8, Section 1- 6 of the Illinois Municipal Code, 65 ILCS 5/11-8-1 through 5/11-8-6;

WHEREAS, the Village is further authorized to govern the strength and manner of construction of all structures (65 ILCS 5/11-30-4), the installation and maintenance of heating, air-conditioning, and refrigeration units (65 ILCS 5/11-32-1), and the installation, use, and alteration of electrical equipment (65 ILCS 5/11-37-2);

WHEREAS, Section 36 of the Illinois Plumbing License Act, 225 ILCS 320/36, authorizes the Village to adopt the minimum standards and regulations promulgated by the Illinois Department of Public Health governing the design and installation of new plumbing or plumbing systems and the alteration of existing plumbing systems;

WHEREAS, the corporate authorities of the Village may, pursuant to Sections 1-3-2 of the Illinois Municipal Code, 65 ILCS 5/1-3-2, and Section 2 of the Municipal Adoption of Codes and Records Act, 50 ILCS 220/2, adopt by reference rules, regulations and technical codes prepared by nationally recognized technical trade or service associations that have been previously printed in book or pamphlet form that govern buildings, structures and parts thereof, without further printing or publication, so long copies of the rules and regulations adopted are filed in the office of the Village Clerk for use, inspection and examination by the public at least thirty (30) days prior to adoption and thereafter maintained in said office;

WHEREAS, pursuant to Section 1-2-3.1 of the Illinois Municipal Code, 65 ILCS 5/1-2-3.1, and Section 55 of the Illinois Building Commission Act, 20 ILCS 3918/55, the Village is required to provide advance written notice to the Illinois Capital Development Board – Division of Building Codes and Regulations as to the title and edition of each code proposed to be adopted at least thirty (30) days prior to such adoption by the Village;

WHEREAS, the Village has complied in all respects with the statutory requirements set forth above; and

WHEREAS, the Village Board had previously approved ordinances which adopted certain national codes and amendments, deletions and modifications thereto in Title 15 ("Buildings and Construction") of the Village Code, including Chapter 15.08 (Building Code), Chapter 15.12 (Residential Code), Chapter 15.16 (Electric Code), Chapter 15.20 (Plumbing

Code), Chapter 15.24 (Accessibility Code), Chapter 15.28 (Mechanical Code), Chapter 15.32 (Fuel Gas Code), Chapter 15.36 (Energy Conservation Code), Chapter 15.40 (Property Maintenance Code"), Chapter 15.44 (Urban Wildland Interface Code), and Chapter 15.48 (Fire Code);

WHEREAS, the Village Board desires to adopt more current versions of the national and state codes with certain amendments, deletions and modifications as well as adopting additional technical codes, including the International Code Council ("ICC")'s International Existing Building Code, 2018 Edition and the ICC's International Swimming Pool and Spa Code, 2018 Edition; and

WHEREAS, the Village has contracted with B&F Construction Code Services, Inc. to review the Village's adopted technical codes and to make recommendations as to appropriate updates, amendments, deletions and modifications and to identify any gaps in the Village's existing regulatory adoption governing the built environment in order to maximize the public health, safety and welfare;

WHEREAS, B&F made recommendations which have been reviewed by Village officials and staff; and

WHEREAS, the corporate authorities hereby find and determine that it is in the interest of the health, welfare and safety of the residents of the Village to adopt the editions of the technical codes and regulations identified herein, subject to the amendments, modifications, additions and deletions specified herein.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Harwood Heights, County of Cook, Illinois, as follows:

SECTION 1. Recitals. The foregoing recitals shall be and are hereby incorporated into and made a part of this Ordinance as if fully set forth in this Section 1.

SECTION 2. Amendments.

A. Title 15 ("Buildings and Construction"), Chapters 15.08 through 15.48 inclusive, shall be, and hereby are, repealed in their entirety and replaced with the Chapters 15.08 through 15.48 attached hereto as Exhibit A and, by this reference, incorporated as though fully set forth herein.

B. Title 15, Chapter 15.52, entitled "Registration of Defaulted Mortgage and Vacant Property" shall continue in full force and effect as written and is not amended by the adoption of this Ordinance.

C. A new Chapter 15.56, entitled "Swimming Pools" shall be, and hereby is, added to Title 15, as follows:

15.56 - Adoption of the International Swimming Pool and Spa Code
The following sections of the 2018 International Swimming Pool and Spa Code are hereby amended or added:
Section 101.1 Insert: the Village of Harwood Heights
Section 105.6.2 See the Village of Harwood Heights fee schedule ordinance
Section 105.6.3 See the Village of Harwood Heights fee schedule ordinance
Section 107.4 See the Village of Harwood Heights fee schedule ordinance
Section 107.5 See the Village of Harwood Heights fee schedule ordinance
Section 108.2 Delete the section in its entirety and insert the following: The Village Board shall serve as the Board of Appeals.

D. A new Chapter 15.60, entitled "Existing Building Code" shall be, and hereby is, added to Title 15, as follows:

15.60 - Adoption of the International Existing Building Code

The following sections of the 2018 International Existing Building Code are hereby amended or added:

Section 101.1 Insert: the Village of Harwood Heights

Section 108.2 See the Village of Harwood Heights fee schedule ordinance

Section 108.6 See the Village of Harwood Heights fee schedule ordinance

Section 112.1 Delete the section in its entirety and insert the following: The Village Board shall serve as the Board of Appeals.

Section 1301.6 Regardless of the outcome of this evaluation all local amendments shall be applicable.

E. A new Chapter 15.64, entitled "Solar Energy" shall be, and hereby is, added to Title 15, as follows:

15.64 - Adoption of the International Solar Energy Provisions

The following sections of the 2018 International Solar Energy Provisions are hereby amended or added:

General The additions, changes and deletions in the codes listed in this list of provisions will be applied to the codes listed in the document.

SECTION 3. RESOLUTION OF CONFLICTS.

All ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 4. SAVING CLAUSE.

If any section, paragraph, clause, or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any of the other provisions of this Ordinance, which are hereby declared to be separable.

SECTION 5. EFFECTIVE DATE.

This Ordinance shall become effective after its passage, approval, and publication in the manner provided by law.

VOTES

AYES: Trustee Schuepfer, Steiner, Brzezniak-Volpe, Brzozowski-Wegrecki, Zerillo, Lewandowski

NAYS:

ABSENT:

ABSTAIN:

Passed and Approved this 8th day of April, 2020.

Mayor Arlene Jezierny

ATTEST:

Marcia L. Pollowy, Village Clerk

EXHIBIT A

Title 15 - BUILDINGS AND CONSTRUCTION

Chapter 15.08 - BUILDING CODE

Section 15.08.010 – Building Code adopted by reference

A. A certain document a copy of which is on file in the office of the village clerk, marked and designated as "The International Building Code, 2018 Edition" as published by the International Code Council, Inc. is adopted as the building code of the village for the control of buildings and structures as provided in this chapter. Each and all regulations, provisions, penalties, conditions and terms of the ICC International Building Code are referred to, adopted and made part of this article, as if fully set out, with the additions, insertions, deletions and changes, if any prescribed in this section.

B. General. All fees and costs related to the performance of special professional services shall be borne by the building owner or permit applicant.

C. Additions, insertions and changes to the Building Code.

Section 101.1 Insert: The Village of Harwood Heights.

Section 105.2 Work exempt from permit—Delete the section in its entirety.

Section 107.1 Add the following: Plans on Job Required: A set of the approved plans are required to be on the job site at the time of inspection.

Section 109.2 Add the following: The fees will be established by the Village of Harwood Heights fee schedule.

Section 113 Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Section 114.4 Add the following: The violation penalties will be established in the Village of Harwood Heights schedule.

Section 116.6 Vacant or Fire Damaged Structures: Add the following: Every person owning or having charge or control of any vacant or fire damaged building shall remove all combustible waste and refuse there from and lock and barricade or otherwise secure all windows, doors and other openings in the building to prohibit entry by unauthorized persons.

Add the following new definition: Remodeled area is the square footage of the remodeled area measured from the face of the walls in the area.

Section 403.1 High Rise: Applicability: Delete the section and add the following: Any building having more than four (4) stories, or is over forty feet (40') to the highest floor, or is over fifty feet (50') feet in height.

Section 501.2.1 add the following: Tenant Identification: All buildings with multiple tenants or units shall have signs in the corridor across from the elevator door. This direction signage shall indicate the direction to each number tenant space. All tenant spaces shall have a sign, which indicates the tenant space number. The signs shall be constructed of durable materials, be permanently installed and be readily visible. Letters and numbers shall contrast with the background and shall be a minimum of 2 inches in height.

Section 501.2.2 add the following: Garages: When the garages face the alley the assigned address for the single family home shall be added to the side of the garage facing the alley with the same criteria.

Section 508.2.5 add the following hazardous areas: Rooms used for storage greater than 100 square feet, elevator equipment rooms, electric equipment rooms, boiler or furnace rooms, fuel storage, janitors closet with electric panels, laundry rooms, maintenance shops and similar hazardous areas from other building areas by wall/doors/floor/ ceiling/window opening assemblies having a fire resistance rating of not less than two (2) hours.

Section 707.11: Add the following new section tenant separation: Each tenant shall be separated from other tenant spaces by fire barriers (walls and floor ceiling assemblies) having at least a two (2) hour fire rating.

Section 903.2.1 Group A change all group A to 1,000 square feet.

Section 903.2.3 Group E change 12,000 to 1,000 square feet.

Section 903.2.4; Group F-1 change 12,000 square feet to 1,000 square feet.

Section 903.2.7 Group M change 12,000 to 1,000 square feet.

Section 903.2.9 Group S-1 change 12,000 square feet to 1,000 square feet.

Section 903.2.9.1 Motor vehicle repair garages over 1,000 square feet.

Add the following new sections 903.2.13—903.2.17 regarding fire sprinkler systems.

Section 903.2.13 All new construction over one (1) story in height and all other one (1) story buildings over one thousand (1,000) square feet in area.

Section 903.2.14 All basements in new construction.

Section 903.2.15 All business occupancies over one thousand (1,000) square feet.

Section 903.2.16 All existing Group S-1 over seven thousand (7,000) square feet.

Section 903.6 Add the following: Additional design requirements: all system shall comply with the additional design requirements.

903.6.1 The maximum friction loss due to pipe friction in the system shall be forty (40) psi at the design flow.

903.6.2 The system shall be designed with a minimum 10-pound safety cushion at the design flow.

903.6.3 Floor plan and zone chart. A floor plan showing the sprinkler and alarm zones shall be provided in the sprinkler riser room.

903.6.4 Whenever a backflow protection device is required to be installed on and existing sprinkler system, the system shall be reviewed to assure the design density or upper pressure for a pipe schedule system comply with the code. If the design pressure is in adequate, the automatic sprinkler system shall be redesigned as needed to be in compliance with the required design density or upper pressure for pipe schedule systems.

Section 905.3.9 Add the following new section: Public and private access is provided to each building (including buildings under construction) so the first responding pumper unit will be able to be located so that all points of the interior of the building may be reached by one hundred fifty feet (150') of initial attack hose from where the fire apparatus sets up operations.

Section 905.3.9.1 Add the following new section: Where the size and height of the building does not allow section 905.3.7 to be met, an interior standpipe system in compliance with the applicable sections of 905.4, 905.5 or 905.6 may be permitted as an exception.

Sections 907.2.8.1 and 907.2.8.2 Delete the sections and add the following: All group R-1 shall have a complete automatic fire alarm system.

Section 907.2.9 Delete the section and add the following: All group R-2 shall have a complete automatic fire alarm system.

> Exception: Existing buildings of group R-2 with six (6) units or less, such as lodging houses, dormitories, apartments and similar occupancies.

Section 907.2.19 Covered malls: Delete exceeding 50,000 square feet in total area.

Section 907.2.24 add the following section: All buildings with multiple uses including residential shall have a complete automatic fire alarm systems.

907.2.25 Add the following section: All other buildings over one (1) story in height; and one (1) story buildings over one thousand (1,000) square feet.

907.2.26 Add the following: Existing building one (1) story buildings under five thousand (5,000) square feet.

907.9 Add the following: Panel identification: An outside strobe light shall be located at the entrance providing access to each alarm and/or annunciator panel.

907.10 Add the following: Annunciator Panel: An annunciator panel is required where the fire alarm control panel is not visible from the building exterior. The annunciator panel shall be visible from the exterior of the building.

907.11 Add the following: Outside Alerting Device: All fire alarm and fire suppression systems shall have an outside alerting device of a type and at a location approved by the code official.

907.12 Add the following: Duct detectors: All duct smoke detectors installed or repaired after the effective date of this ordinance shall signal a supervisory condition only.

907.13 Add the following: Systems Out Of Service: Fire alarm systems shall be maintained in service at all times. Systems shall not be out of service for more than eight (8) hours for maintenance or repair.

907.14 Add the following section: All smoke detector wiring must be in its own raceway.

909.22 Add the following: Where required: In addition to systems being required in other sections of the code all new construction shall have a smoke control system in the following locations.

909.22.1 Sprinklered building: In all sprinklered buildings with a gross area (combined area of all floors) exceeding forty thousand (40,000) square feet, including all unlimited area buildings as defined in section 507.

909.22.2 Multiple story buildings or building exceeding a specified height: All buildings over three (3) stories or thirty-five feet (35') in height, whichever is less.

Section 919 Add the following: False Fire Alarm Service Charge:

Section 919.1 Charge: A charge of five hundred dollars ($500) per call shall be made to the user of automatic fire alarm facilities, installed and maintained by others, which initiates a response by the Village of Harwood Heights for a false alarm being given or transmitted by these facilities to the District.

Section 919.2 Time period: This charge shall be for each false alarm transmitted and responded to by the Village of Harwood Heights during any ninety (90) day period commencing with the third (3 rd) false alarm transmitted during any ninety (90) day period, whether caused by malfunctioning or intentionally or negligently misused or abused facilities or equipment, and which results in a the fire suppression and/or rescue apparatus and equipment being unnecessarily called to the property in response thereto. All charges shall be paid within thirty (30) days of the mailing or delivery of an invoice. Failure to pay may result in Village Licenses being revoked or suspended.

Section 919.3 Adjudication Court: The procedures for use of this court shall be as outlined in the intergovernmental agreement.

Section 1008.3 Add the following: All emergency light wiring shall be in its own raceway.

Section 1013.6.1 Add the following: All exit signs shall have red letters.

Section 1013.6.3.1 add the following: All exit light wiring must be in its own raceway.

Section 1101.2 Accessibility design: Add the following: and the Illinois Accessibility. When there is a conflict between this code and the Illinois Accessibility Code, the stricter shall be used.

Section 1612.3 Insert The Village of Harwood Heights.

Section 1612.3 Establishment of flood hazard areas. Delete the section as not applicable. See the section on flood damage protection.

Section 1907.21 Minimum outside slab thickness—General Change 3 ½ inches to 5 inches and add the following sentence; All outside flatwork on private property shall be a minimum of 5 inches thick. All driveways and basements shall have wire mesh or fiber mesh.

All slabs shall be formed using a minimum of a 2 x 6 form.

All slabs, sidewalks, driveways and patios shall be formed so the concrete is not above the top of the foundation and below the exterior finish.

Section 3001.3 Add the following: Referenced Standards to be as stringent and comply with current Illinois Elevator Safety Act and its Rules For residential conveyance application, the Act does not apply, however, the IBC code shall for new installation, permits, final acceptance. For applications not covered by the Illinois Elevator Safety Act, those conveyance applications shall be covered under the IBC code by the AHJ for new installation, permits, final acceptance, periodic inspections and testing, unsafe conditions, power to seal equipment, put conveyance out of service, and certificate compliance as well as owner/agent responsibility for contractor, maintenance, accident/injury responsibility.

3001.5 Change as follows: Change in Use-Elevator to comply with ASME A17.1 2007 Sec. 8.7 alterations.

Section 3002.4 Changes as follows In all buildings at least one elevator shall be provided for fire department emergency access to all floors in buildings.

Such elevator cars shall be of such size and arrangement to accommodate a 24-inch by 80-inch (610 mm to 2088 mm) ambulance stretcher in the horizontal open position and shall be identified by the International Symbol for emergency medical services (Star of Life).

The symbol shall not be less than 3 x 3 inches high and wide (76 mm x 76 mm) and shall be placed inside on both sides of the main lobby hoist way frame.

This applies to all buildings with an elevator.

Section 3003.2 Add the following: and NFPA 72.

Section 3004.1.1 Add the following: Miscellaneous hoisting and elevating equipment: All miscellaneous hoisting and elevating equipment shall be subjected to tests and inspections as required by the AHJ to ensure safe operation.

As per changes, a full load governor and full load safety test to be done after installation of hoist, a major alteration, and a jump of the hoist tower travel.

Section 3004.3 add the following: see section 3004.4.

Section 3005.1 Add the following: This means is not to be used as a passage way through the machine room to other areas of the building or roof.

Section 3005.4 Delete exception #2.

New Section 3009.0 Certificate of Compliance.

Section 3009.1 (Acceptable as written) Certificate of Compliance: The operation of all equipment governed by the provisions of this chapter and hereafter installed, relocated or altered shall be unlawful by persons other than the installer until such equipment has been inspected and tested as herein required and a final certificate of compliance has been issued by the code official.

Section 3009.2 (Acceptable as written) Posting Certificates of Compliance: The owner or lessee shall post the current-issued certificate of compliance in a conspicuous place inside the elevator.

Chapter 35 Change the following referenced standards.

ICC

Delete the International Zoning Code.

Change the International Plumbing Code to the Illinois Plumbing Code.

NFPA

Change or add the standards with the edition listed.

NFPA 2 - 2016 NFPA 11 - 2016 NFPA 12 – 2018 NFPA 12A-2018 NFPA 13 – 2019 NFPA -13D 2019 NFPA 13R – 2019 NFPA 14 – 2019 NFPA 15 – 2017 NFPA - 16 2019 NFPA 17 – 2017 NFPA 17A - 2017 NFPA 18 - 2017 NFPA 20 – 2016 NFPA 25 – 2014 NFPA 30 – 2018 NFPA 30A – 2018 NFPA 30B- 2019 NFPA 31 – 2016 NFPA 32 – 2016 NFPA 33 – 2018 NFPA 34 – 2018 NFPA 35 – 2016 NFPA 36 – 2017 NFPA 40 – 2019 NFPA 45- 2019 NFPA 50 – 2001 NFPA 51 – 2018 NFPA 51B – 2019 NFPA 55-2020 NFPA 61 – 2017 NFPA 70 – 2017 NFPA 72 – 2016 NFPA 85 – 2019 NFPA 120 – 2015 NFPA 252 – 2017 NFPA 259 – 2018 NFPA 265 – 2019 NFPA 268 - 2017 NFPA 409 – 2016 NFPA 655 – 2017 NFPA 664 – 2017 NFPA 701 – 2019 NFPA 704 – 2017 NFPA 1123- 2018 NFPA 1124 – 2017 NFPA 2001 – 2018 NFPA 2010 - 2015

Adopt the following appendixes: Appendix H105, H106, J and I.

15.08.020 - Permit fees.

Persons desiring permits required by the code adopted in Section 15.080.010 of this chapter shall pay the following fees:

RESIDENTIAL

Permit	Fees	Required Bond
Paving of parking lots	$.01 per sq. ft., with a $50.00 minimum	
Demolition of garage	$75.00	
New garage	$150.00	$250.00 clean up bond
Demolition of house	$.50 per sq. ft.	$2,500.00 clean up bond
Building fees	$1.00 per sq. ft.	
Electric	$50.00 minimum	
Plumbing	$70.00 minimum	
Sprinkler System	$50.00	
HVAC	$75.00 (first 3 tons)	
Plan review—single-family*	$200.00	
Plan review—multiple family*	$200.00 + $50.00/each unit	
Plan review—new addition*	$100.00	
Re-inspections	$50.00	
Certificate of occupancy	$25.00	
Concrete for new construction (e.g., patios, walks, slabs, stairs, porches)	$100.00 minimum	
Concrete - resurfacing	$50.00	
Fences	$75-100	
Sewer tap	$1,500.00/tap	
Roofing	$75-100	
Windows, siding, soffit, fascia, decks, drywall, porches	$75-100	
Miscellaneous (e.g., seal coating, sheds, swimming pools)	$25-100	
No permit for doors, tuck pointing, painting		

New construction inspection	$100.00/elevator	
New construction re-inspection	$100.00/elevator	
Semi-annual elevator inspection—multi-family building	$75.00/elevator	
Semi-annual elevator inspection—single-family building	$50.00/elevator	

*Costs incurred as a result of additional plan reviews shall be paid by owner/developer.

COMMERCIAL PERMIT FEES

Permit	Fee	Required Bond
Paving: Parking lot	$.01/sq. ft. ($50.00 minimum)	
Demolition	$.50/sq. ft.	$2,500.00
Building/remodeling construction includes electrical, plumbing and one plan review*	$1.35/sq. ft.	
Site improvement: Includes excavation, grading, paving, concrete, utilities, exterior lighting, and landscaping.	$.10/sq. ft.	
Roof replacement	$250.00	
Window replacement	$250.00	
Vanilla box/facade change	1% of total remodeling cost	
Miscellaneous	$250.00	
Water tap	See table below	
Sewer tap	$2,500.00/tap	
Water meter	See table below	
Construction water	$6.00/100 cu. ft. plus rental fees (see table below)	
Street breaking bond		$3,500.00
Clean-up/re-inspection bond		$2,500.00
New construction inspection	$100.00/elevator	
New construction re-inspection	$100.00/elevator	
Semi-annual elevator inspection	$75.00/elevator	

*Costs incurred as a result of additional plan reviews shall be paid by owner/developer.

WATER TAP FEES

Size	Fee
¾"	$1,200.00
1"	$1,400.00
1½"	$1,600.00
2"	$2,000.00
4"	$3,500.00
6"	$5,000.00
8"	$6,000.00
10"	$7,000.00
12"	$8,000.00

Purchase New Meter Fees		Damaged Meter Fees	
Size	Cost	Size	Cost
¾ inch	$360.00	¾ inch	$400.00
1 inch	$450.00	1 inch	$500.00
1.5 inch	$1,500.00	1.5 inch	$1,600.00
2 inch	$2,000.00	2 inch	$2,100.00
3 inch	$2,300.00	3 inch	$2,400.00
4 inch	$5,000.00	4 inch	$5,100.00
6 inch	$6,000.00	6 inch	$6,100.00

Hydrant rental permits no longer available. Water meter must be purchased at a rate of $10.00/100 cu. ft.

Chapter 15.12 - RESIDENTIAL CODE

15.12.010 - Residential Code adopted by reference.

A. Adoption. A certain document a copy of which is on file in the office of the village clerk, marked and designated as "The International Residential Code, 2018 Edition" as published by the International Code Council, Inc. is adopted as the Residential Code of the Village of Harwood Heights.

B. Additions, insertions and changes to the Residential Code. The following sections of the 2018 International Residential Code are hereby amended or added:

PART I Administration

Section R101.1 Insert The Village of Harwood Heights.

Section R106.1 SUBMITTED DOCUMENT add the following sentences. Plans for new construction, alterations, or modifications to a building or structure are required to be signed, sealed and dated an Illinois licensed design professional.

Construction documents, special inspections and structural observation programs, and other data shall be submitted in three sets with each application for permits.

Section R106.6 PLANS ON JOB REQUIRED: A copy of approved plans with all revisions shall be kept on the site of the building or work at the time of inspection.

Section 112.1 Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Section 112.3 Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Section 202 Add the following new definition: Bedroom, any room or space used or intended to be used for sleeping purposes in a dwelling. Any room that complies with this definition and has closet is classified as a bedroom.

Section 202 Add the following new definition: Grading plan: A grading plan shall consist of the following:

1. Signature and seal by an Illinois licensed professional engineer or land surveyor.

2. Elevation of grades at the adjacent houses/garages.

3. Ground elevations at the corners, at twenty five (25) foot intervals along the property line, and spot elevations at critical locations.

4. The plan shall show existing contours for the lot and adjacent properties on one-foot contours.

5. The plan shall include information on adjacent properties to show contours, drainage courses, structure location and foundation elevation within fifteen (15) feet of the subject property.

6. Finished grade at foundation shall be six (6) inches below top of foundation, brick ledge, etc.

7. Existing public utilities (storm, sanitary, water, gas, etc.) must be shown on the plan.

8. Proposed location of the sump pump discharge shall be indicated on the site plan to be placed on a splash block or connected directly to on-site storm sewer.

9. All down spouts must be shown on the plan indicating that each to be placed on splash blocks or connected directly to storm sewer.

10. The plan shall show proposed building top of foundation, and elevations of proposed finished ground grades at all significant points around the proposed building. Along with elevations of garage slab, patio, private sidewalk and driveway at various locations.

11. The proposed elevation of the principal residential structure should be in conformity with the grade adjacent, neighboring property and right-of-way.

12. Site plan must include soil erosion and sediment control measures with detailed drawings.

13. Show direction of drainage flow (→) on the property (water to flow to a catch basin or to the street).

14. Since water may not drain on to any adjacent property, a catch basin may be required that is connected to the Village storm sewer system. If a catch basin is required, they must be shown on the grading plan.

15. Show elevations of public sidewalk and top of curb and flow line of curb at various locations along the street side of the property.

PART III Building Planning Table R 301.2 (1)

Ground Snow Load	25
Wind Speed (mph)	115
Topographic Effects	No
Special wind region	No
Wind-borne debris zone	No
Seismic Design Category	A

Weathering	Severe
Frost line depth	42 inches
Termite	Moderate to heavy
Winter Design Temperature	-5 degrees
Ice Shield Underlayment	Yes
Flood Hazard	See current DFIRM and FBFM available in Engineering Services Department
Air Freezing Index	2000
Mean Annual Temperature	50 degrees
Manual J Design	
Elevation	785
Latitude	41
Winter heating	5
Summer cooling	91
Altitude correction	.97
Indoor design temperature	72
Design temperature cooling	75
Heating temperature difference	70
Cooling temperature difference	19
Wing velocity heating	15
Wind velocity cooling	7.5
Coincident wet bulb	76
Daily range	M

Winter humidity	40
Summer humidity	47

Section Table R 302.6 Dwelling/garage separation: change ½ inch to 5/8 inch and add the following:

Garages under habitable rooms shall be separated by one-hour fire rated construction. This rating includes the ceiling walls, beams and columns.

R303.1.1 Add the following Glass block shall not be used for the emergency escape window or the window used for light and ventilation in basements in new construction or remodeling.

Add section R 305.1.2 Basement ceiling heights. New unfinished basements shall have adequate height so when finished the entire basement shall have a minimum clear height of 7 feet.

Existing building shall have a minimum clear height when the space is finished of 7 feet.

Exception: Existing buildings shall have a minimum clear height of 7 feet for a minimum of 75% of the finished floor space. The area under ductwork beams or other utilities can be a minimum of 6 feet 5 inches for a maximum of 25% of the finished space.

Section R310.1 Change the first line to read as follows: Every sleeping room and basements in new construction with the following requirements shall have at least one openable emergency escape and rescue opening:

A. One means of egress that leads directly to the outside of every habitable basement.

B. One means of egress that leads directly to the outside for every habitable basement with one emergency escape window from every sleeping room or room greater than 70 square feet.

C. One emergency escape window for every two or more sleeping rooms greater than 70 square feet.

D. In new construction every uninhabitable basement needs to have one means of egress that leads directly to the outside.

R310.1.5 Add the following Glass block shall not be used for the emergency escape window or the window used for light and ventilation in habitable basements in new construction or remodeling.

R 310.1.6 Add the following: Basement remodeling or renovation. The finishing of existing an unfinished basement or the remodeling of an existing basements shall comply with the following:

A basement without a bedroom does not require an emergency escape window.

A basement with a bedroom shall comply with the requirements in this section for an emergency escape window.

Section R314.6 Smoke Detectors Power source: Add the following sentence: The smoke detectors shall be on a separate circuit with no other devices or appliances except the carbon monoxide detectors.

All smoke detector wiring must be in its own raceway.

Section R315.6 Power source: The power source shall be an independent source similar to the source for smoke detectors or installed on the same circuit as the smoke detectors.

Section R 319.1.2 Premises identification add the following: The use of script address is not allowed. When a house has an additional entrance other than the front street an additional address shall be provided. Provide an address for all garages, which front on the alley.

Section R325 Add the following section Air conditioning compressors and generators: Compressors and generators shall not be installed in a front yard, side yard and outside the side setbacks extended into the rear yard. All generators and compressors shall be in the rear yard.

Section R326 Add the following Section Outside entrance: An outside entrance cannot be the entrance to a basement or story above the grade level story without an interior stairway.

Section R327 Add a new section R327 New sidewalks, any new single-family residence or second floor addition must replace the main city sidewalk in front of the residence.

Section R402.1 Wood foundations: Wood foundations or footings are not allowed in the Village of Harwood Heights. This also eliminates all other sections, sub sections, tables or charts, which reference the use of wood footings or foundations.

Section R501.3 Engineered floor joists: Add the following: All floor systems installed over a basement shall have drywall or a sprinkler system installed when engineered joist such as open web trusses or "I" joists are used.

Section R502.2 Design and construction: Add the following: All attached decks and floor systems shall be securely bolted to the primary structure. Lumber used in the floor system shall be a minimum of #2 and better construction. All bolts, hangers and flashings shall be compatible with the lumber being used.

Section R506.1 Concrete flatwork General Change 3½ inches to 5 inches and add the following sentence: All outside flatwork on private property shall be a minimum of 5 inches thick. All driveways and basements shall have wire mesh or fiber mesh.

All slabs shall be formed using a minimum of a 2 x 6 form.

All slabs, sidewalks, driveways and patios shall be formed so the concrete is not above the top of the foundation and below the exterior finish.

Section R801.4 Add the following ROOF DRAINAGE: Where roof drainage is installed the discharge elbow shall not face the neighbor's property.

PART IV Energy conservation

Chapter 11 Energy Conservation: Delete the Chapter in its entirety. Note: The sections of the IECC for residential are enforced.

PART V Mechanical

Add section M1401.6 Discharge distance. The minimum clearance from the discharge from any fuel fired equipment discharge and the lot line shall be a minimum of 3 feet. The distance shall be measured perpendicular from the face of the exterior finish to the lot line.

PART VII Plumbing Delete Chapters 25, 26, 27, 28, 29, 30, 31 and 32.
See section 15.20.010 the adoption of the Illinois Plumbing Code.

PART VIII Electrical Delete Chapters 34, 35, 36, 37, 38, 39, 40 and 41.
See section 15.16.010 the adoption of the Chicago Electric Code.

Chapter 43 Referenced Standards

ICC

Delete the International Zoning Code.

Change the International Plumbing Code to the Illinois Plumbing Code.

Adopt the following appendices: A, B, C, D, E, G, H, J, and K.

Chapter 15.16 - ELECTRIC CODE

15.16.010 - Electric Code adopted by reference.

A. Adoption. A certain document a copy of which is on file in the office of the village clerk, marked and designated as "Chicago Electric Code of 2018," as published by the City of Chicago is adopted as the Electric Code of the Village of Harwood Heights. All of the regulations, provisions, penalties, conditions and terms of the Chicago Electric Code are adopted and made part hereof as though fully set out in this chapter.

B. Enforcement Officers.

1. Creation. There is created the office of electric inspector—residential electric and inspector and commercial electric inspector.

2. Appointment. The electric inspector shall be appointed by the president with the advice and consent of the board of trustees.

3. Term. The electrical inspector shall serve for such terms as the president shall appoint, but such terms shall not exceed the elected term of the president then serving office.

4. Bond. The electric inspector shall post such bond prior to the inspector's entrance upon the duties of his or her office as shall be designated by the board of trustees in its motion approving the appointment of the president.

C. Dwelling Units.

1. All 120, single phase, and 15 and 20 ampere receptacles installed in bathrooms and garages of dwelling units shall have ground-fault interrupter protection for personnel.

2. All 120, single phase, and 15 and 20 ampere receptacles installed outdoors where there is direct grade level to the dwelling unit and to the receptacles shall have ground fault circuit interrupter protection for personnel.

3. As used in this section, a "bathroom" is an area including a basin with one or more of the following: a toilet, a tub or a shower.

4. Such ground fault circuit interrupter protection may be provided for other circuits, locations and occupancies, and where used, will provide protection against line-to-ground shock hazard.

D. Mobile Electrical Signs.

1. All mobile electrical signs which can be moved from one location to another and which are lighted by means of electrical cords running from the mobile sign to the electrical connection are hereby prohibited and banned within the village unless specific permission has been given by the president and board of trustees upon written request by the owner. The corporate authorities deem such signs to be nuisance and a hazard to health, welfare and safety of the residents of the village.

2. The electric inspector or any authorized member of the police force, upon receiving notification from the corporate authorities or the president of the village, shall disconnect or shall cause the nuisance to be disconnected and removed from its location.

Chapter 15.20 - PLUMBING CODE

15.20.010 - Plumbing Code adopted by reference.

A. Adoption. A certain document a copy of which is on file in the office of the village clerk, marked and designated as "Illinois Plumbing Code" as published by the State of Illinois is adopted as the Plumbing Code of the Village of Harwood Heights. All of the regulations, provisions, penalties, conditions and terms of the Illinois Plumbing Code are adopted and made part hereof as though fully set out in this chapter.

B. Additions, Insertions and Changes to the Plumbing Code. The following shall be general plumbing regulations as established by the village:

1. All new buildings including basements, floors or occupancy areas below ground level at the building site and served by a public or a private sewer system shall have overhead plumbing.

C. Cross Connection Control Program.

1. Cross-Connection Control General Policy.

a. Purpose. The purpose of these rules and regulations is:

i. To protect the public water supply system from contamination or pollution by containment or isolation within the customer's water system contaminants or pollutants which could backflow through the service connection into the public water supply system.

ii. To promote the elimination or control of existing cross-connections, actual or potential, between the public or consumer's potable water system and nonpotable water systems, plumbing fixtures and sources or systems containing substances of unknown or questionable quality.

iii. To provide for the maintenance of a continuing program of cross-connection control which will prevent the contamination or pollution of the public and consumer's potable water systems.

b. Application. These rules and regulations shall apply to all premises served by the potable water supply system of the Village of Harwood Heights, Cook County, Illinois.

c. Policy. The owner or official custodian shall be responsible for protection of the public water supply system from contamination due to backflow or back siphonage of contaminants through the customer's water service connection. If, in the judgment of the Village of Harwood Heights, or its authorized agent, an approved backflow prevention device or assembly is necessary for the safety of the public water supply system, the Village of Harwood Heights shall give notice to the consumer to install such approved backflow prevention device or assembly at each service connection to the premises. The consumer after due written notice and within the prescribed time indicated on the notice shall install such approved device or assembly at his or her own expense; failure or refusal on the part of the consumer to install such device or assembly immediately shall constitute grounds for discontinuing water service to the premises until such device or assembly has been installed. The consumer shall retain records of installation, maintenance, testing and repair as required in subsection (4)(c)(iv) of this section for a period of at least five years.

2. Definitions. The following definitions shall apply to the interpretation and enforcement of these regulations:

"Agency" means Illinois Environmental Protection Agency.

"Approved" means backflow prevention devices or assemblies or methods approved by the Research Foundation for Cross-Connection Control of the University of Southern California, American Water Works Association, American National Standards Institute, American Society of Sanitary Engineering, or certified by the National Sanitation Foundation.

"Auxiliary water system" means source of water outside of the municipal public water supply system. No connection to the municipal public water supply system shall be made with any other water system without approval of the local authority.

"Backflow" means flow of water or other liquids, mixtures, or substances into the distribution pipes of a potable water system from any source other than the intended source of the potable water supply.

"Backflow prevention assembly" means any assembly, method, or type of construction intended to prevent backflow into a potable water system, including tight shutoff valves located at each end of the assembly and suitable test cock connections for testing. All assemblies used for backflow prevention in Illinois must meet the standards of the Illinois Plumbing Code and the Illinois Environmental Protection Agency.

"Backflow prevention device" means any device, method, or type of construction intended to prevent backflow into a potable water system. All devices used for backflow prevention in Illinois must meet the standards of the Illinois Plumbing Code and the Illinois Environmental Protection Agency.

"Consumer" or "customer" means owner, official custodian or person in control of any premises supplied by or in any manner connected to a public water system.

"Consumer's" or "customer's water system" means any water system service the premise, commencing at the outlet side of the service pipe shutoff valve location as stated in Harwood Heights Village, IL Code.

"Contamination" means the introduction into water of micro-organisms, chemicals, wastes, or wastewater in a concentration that makes water unfit for its intended use.

"Cross-connection" means any connection through which a supply of potable water could be contaminated or polluted.

"Double check valve assembly" means an assembly composed of single, independently acting check valves, including tightly closing shutoff valves located at each end of the assembly and suitable test cock connections for testing the water-tightness of each check valve.

"Fixed air gap" means the unobstructed vertical distance through the free atmosphere between the water discharge point and the flood level rim of the receptacle.

"Health hazard" means any condition, device or practice in a water system or its operation resulting from a real or potential danger to the health and well-being of consumers. The word "severe" as used to qualify "health hazards" means a hazard to the health of the user that could be expected to result in death or significant reduction in the quality of life.

"Inspection" means a plumbing inspection to examine carefully and critically all materials, fixtures, piping and appurtenances, appliances and installations of a plumbing system for compliance with requirements of the Illinois Plumbing Code, 77 Ill. Adm. Code 890.

"Local authority" means Mayor and Village Board of the Village of Harwood Heights.

"Nonpotable water" means water not safe for drinking, personal or culinary use as determined by the requirements of 35 Ill. Adm. Code 604.

"Plumbing" means the actual installation, repair, maintenance, alteration, or extension of a plumbing system by any person. Plumbing includes all piping, fixtures, appurtenances and appliances for a supply of water for all purposes, including without limitation lawn sprinkler systems from the source of a private water supply on the premises or from the main in the street, alley or at the curb to within and about any building or buildings where a person or persons live, work or assemble. Plumbing includes all piping from discharge of pumping units to and including pressure tanks in water supply systems. Plumbing includes all piping, fixtures, appurtenances and appliances for a building drain and a sanitary drainage and related ventilation system of any building or buildings where a person or persons live, work or assemble from the point of connection of such building drain to the building sewer or private sewage disposal system five feet beyond the foundation walls.

"Pollution" means the presence of any foreign substance (organic, inorganic, radiological, or biological) in water that tends to degrade its quality so as to constitute a hazard or impair the usefulness of the water.

"Potable water" means water which meets the requirement of 35 Ill. Adm. Code 604 for drinking, culinary and domestic purposes.

"Potential cross-connection" means a fixture or appurtenance with threaded hose connection, tapered spout, or other connection which would facilitate extension of the water supply line beyond its legal termination point.

"Process fluid" means any fluid or solution which may be chemically, biologically or otherwise contaminated or polluted in a form or concentration such as would constitute a health, pollution, or system hazard if introduced into the public or a consumer's potable water system. This includes, but is not limited to:

a. Polluted or contaminated waters;

b. Process waters;

c. Used waters originating from the public water supply system which may have deteriorated in sanitary quality;

d. Cooling waters;

e. Questionable or contaminated natural waters taken from wells, lakes, streams or irrigation systems;

f. Chemicals in solution or suspension;

g. Oils, gases, acids, alkalis and other liquid and gaseous fluids used in industrial or other processes, or for firefighting purposes.

"Public water supply system" means all mains, pipes and structures owned and/or maintained by the Village of Harwood Heights through which water is obtained and distributed to the public, including wells and well structures, intakes and cribs, pumping stations, treatment plants, reservoirs, storage tanks and appurtenances, collectively or severally, actually used or intended for use for the purpose of furnishing potable water.

"Reduced pressure zone principle backflow prevention assembly" means an assembly containing a minimum of two independently acting check valves together with an automatically operated pressure differential relief valve located between the two check valves. During normal

flow and at cessation of normal flow, the pressure between these two checks shall be less than the supply pressure. In case of leakage of either check valve, the differential relief valve, by discharging to the atmosphere, shall operate to maintain the pressure between the check valves at less than the supply pressure. The unit must include tightly closing shutoff valves located at each end of the assembly and suitable test cock connections for testing the water-tightness of each check valve.

"Service connection" means the physical connection to the water main including all fittings and appurtenances, through which water is supplied to the consumer.

"Survey" means the collection of information pertaining to a customer's piping system regarding the location of all connections to the public water supply system and must include the location, type and most recent inspection and testing date of all cross-connection control devices, assemblies, and methods located within that customer's piping system. The survey shall be completed on a form approved by the Village of Harwood Heights.

3. Cross-Connection Prohibited.

   a. Connections between the public water supply system and other systems or equipment containing water or other substances of unknown or questionable quality are prohibited except when and where approved cross-connection control devices, assemblies or methods are installed, tested and maintained to insure proper operation on a continuing basis.

   b. No connection shall be permitted between the public water supply system and any other water supply not of equal or better bacteriological and chemical quality as determined by inspection and analysis by the agency or Village of Harwood Heights.

      i. There shall be no arrangement or connection by which contamination may enter the public water supply system.

4. Surveys and Inspections.

   a. The consumer's premises shall be open at all reasonable times to the certified cross-connection control device inspector (CCCDI, as defined in agency's Title 35, Subtitle F, Chapter II, Part 653) for the inspection of the presence or absence of cross-connections within the consumer's premises, and testing, repair and maintenance of cross-connection control devices or assemblies within the consumer's premises.

   b. On request by the Village of Harwood Heights, or its authorized agent, the consumer shall furnish information regarding the piping system or systems for water use within the consumer's premises and cross-connection inspection results. The consumer's premises shall be open at all reasonable times to the Village of Harwood Heights for the verification of information submitted by the consumer regarding the piping system or systems for water use and cross-connection inspection results.

   c. It is the responsibility and financial obligation of the water consumer to prevent backflow into the public water supply system ensuring that:

      i. All cross-connections are removed; or approved cross-connection control devices or assemblies are installed for control of backflow or backsiphonage;

ii. Cross-connection control devices or assemblies shall be installed in accordance with manufacturer's instructions;

iii. Cross-connection control devices or assemblies shall be inspected at least annually by a person approved by the agency as a cross-connection control device inspector (CCCDI). The inspection of mechanical assemblies shall include physical testing in accordance with the manufacturer's instructions;

iv. Testing and records.

(A) Each assembly shall be tested at least annually or more frequently if recommended by the manufacturer or the Village of Harwood Heights.

(B) Records submitted to the Village of Harwood Heights shall be available for inspection by agency personnel in accordance with Ill. Rev. Stat. 1983, Ch. 111 ½ par. 1104(e).

(C) Each assembly shall have a tag attached listing the date of the most recent test, name and approval number of CCCDI, and type and date of repairs.

(D) A maintenance log shall be maintained and include:

(1) Date of each test;

(2) Name and approval number of person performing the inspection or test;

(3) Test results/inspection;

(4) Repairs or servicing required;

(5) Repairs and date completed; and

(6) Services performed and date completed.

5. Where Protection Is Required.

a. An approved backflow prevention device or assembly shall be installed on each water service line to a consumer's water system, when in the judgment of the Village of Harwood Heights, or its authorized agent, actual or potential hazards to the public water supply system may exist.

b. An approved backflow prevention device or assembly shall be installed on each water service line to a consumer's water system where the following conditions exist:

i. Premises having an auxiliary water system, unless such auxiliary system is accepted as an additional source by the Village of Harwood Heights and the source is approved by the agency and local authority;

ii. Premises where any substance(s) exist which can create an actual or potential hazard to the public water supply system;

iii. Premises having internal cross-connections that, in the judgment of the Village of Harwood Heights, or its authorized agent, are not correctable or intricate plumbing arrangements which make it impractical to determine whether or not cross-connections exist;

iv. Premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross-connection control survey;

v. Premises having a repeated history of cross-connections being established or re-established.

c. An approved backflow prevention device or assembly shall be installed on each water service line to a consumer's water system serving, but not necessarily limited to, the following types of facilities unless the Village of Harwood Heights determines that no actual or potential hazard to the public water supply system exist:

i. Hospitals, mortuaries, clinics, nursing homes;

ii. Laboratories;

iii. Piers, docks, waterfront facilities;

iv. Sewage treatment plants, sewage pumping stations or stormwater pumping stations;

v. Food or beverage processing plants;

vi. Chemical plants;

vii. Metal plating industries;

viii. Petroleum processing or storage plants;

ix. Radioactive material processing plants or nuclear reactors;

x. Car washes.

6. Type of Protection Required.

a. The type of protection required shall depend on the degree of hazard which exists as follows:

1. An approved fixed air gap shall be installed where the public water supply system may be contaminated causing a severe health hazard;

2. An approved fixed air gap or an approved reduced pressure zone principle backflow prevention assembly shall be installed where the public water supply system may be contaminated causing a system or health hazard;

3. An approved fixed air gap or an approved reduced pressure zone principle backflow prevention assembly shall be installed where the public water supply system may be polluted with substances that could cause a pollution hazard not dangerous to health.

b. The type of protection required under subsection (5) of these regulations shall be an approved fixed proper air gap separation or an approved reduced pressure zone principle backflow prevention assembly.

c. Where a public water supply or an auxiliary water supply is used for fire protection system, a reduced pressure zone principle backflow prevention assembly shall be

installed between the fire sprinkler systems connected to the fire public water supply system when:

i. The sprinkler system contains anti-freeze and/or chemical additives;

ii. Water may be pumped into the system from another source can be connected to the sprinkler system;

iii. Piping material used for the sprinkler system is not approved for potable use.

7. Backflow Prevention Devices and Assemblies.

a. All backflow prevention devices or assemblies or methods required by these rules and regulations shall be approved by the Research Foundation for Cross-Connection Control of the University of Southern California, American Water Works Association, American National Standards Institute, American Society of Sanitary Engineering, or certified by the National Sanitation Foundation to be in compliance with applicable industry specification.

b. Installation of approved devices shall be made in accordance with 35 Ill. Adm. Code 653.802, and only as specified by the Research Foundation for Cross-Connection Control of the University of Southern California or applicable industry specifications. Maintenance as recommended by the manufacturer of the device shall be performed. Manufacturer's maintenance manual shall be available on-site.

8. Inspection and Maintenance.

a. It shall be the duty of the consumer at premises on which backflow prevention devices and assemblies required by these regulations are installed to have inspection, tests, maintenance and repair made in accordance with the following schedule or more often where inspections indicate a need or are specified in manufacturer's instructions.

i. Double check valve assemblies shall be inspected and tested for tightness at the time of installation and at least annually thereafter, and required service performed within 15 days.

ii. Reduced pressure principle backflow prevention assemblies shall be inspected and tested for tightness at the time of installation and at least annually thereafter, and required service performed within 15 days.

b. Testing shall be performed by a person who has been approved by the agency as competent to service the device. Proof of approval shall be in writing.

c. Each device shall have a tag attached including the information as required in subsections (4)(c)(iii) and (4)(c)(iv) of this section.

d. Whenever backflow prevention devices or assemblies required by these regulations are found to be defective, they shall be repaired or replaced at the expense of the consumer within 15 days or as specified by the Village of Harwood Heights.

e. Backflow prevention devices or assemblies shall not be bypassed, made inoperative, removed or otherwise made ineffective without specific authorization by Village of Harwood Heights.

9. Violations.

   a. The Village of Harwood Heights may deny or discontinue, after reasonable notice to the occupants thereof, the water service to any premise wherein any backflow prevention device or assembly required by these regulations is not installed, tested, maintained and repaired in a manner acceptable to the Village of Harwood Heights, or if it is found that the backflow prevention device or assembly has been removed or bypassed, or if an unprotected cross-connection exists on the premises, or if a low pressure cut-off required by these regulations is not installed and maintained in working order.

   b. Water service to such premises shall not be restored until the consumer has corrected or eliminated such conditions or defects in conformance with these regulations and to the satisfaction of the Village of Harwood Heights.

10. Corrective Actions.

   a. Nothing herein contained shall prevent the Village of Harwood Heights from taking such other action as it deems necessary to prevent or remedy a violation of this chapter.

   b. That after the adoption and approval hereof the ordinance codified in this chapter shall be displayed on the official Village of Harwood Heights website, www.villageofharwoodheights.org, by the authority of the village board within 30 days of adoption and approval.

Chapter 15.24 - ACCESSIBIILITY CODE

15.24.010 - Illinois Accessibility Code adopted by reference.

A. Adoption. A certain document, a copy of which is on file in the office of the village clerk, marked and designated as "Illinois Accessibility, 2018 Edition" as published by the Illinois Capital Development Board Health is adopted as the Accessibility Code of the Village of Harwood Heights.

B. Additions, insertions and changes to the Accessibility Code. The following sections of the 2018 Illinois Accessibility Code are hereby amended or added:

   Section 400.110 c) When there are conflicts between the Illinois Accessibility Code and the 2009 Edition of the International Building Code, the stricter shall apply.

Chapter 15.28 - MECHANICAL CODE

15.28.010 - Mechanical Code adopted by reference.

A. Adoption, Insertions and Changes to the Mechanical Code. A certain document a copy of which is on file in the office of the village clerk, marked and designated as "International Mechanical Code, 2018 Edition," as published by the International Code Council, Inc., is adopted as the Mechanical Code of the Village of Harwood Heights.

B. Additions, Insertions and Changes to the Mechanical Code. The following sections of the 2018 International Mechanical Code are hereby amended or added:

Section 101.1 Insert the Village of Harwood Heights.

Section 106.5.2 See the Village of Harwood Heights fee schedule ordinance.

Section 106.5.3 See the Village of Harwood Heights fee schedule ordinance.

Section 108.4 See the Village of Harwood Heights fee schedule ordinance.

Section 108.5 See the Village of Harwood Heights fee schedule ordinance.

Section 109.2. Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Chapter 15 Referenced standards—Change the following referenced standards.

ICC

Change the International Plumbing Code to the Illinois Plumbing Code.

NFPA See the building code for the changes to NFPA standards.

Adopt the following Appendices: A.

Chapter 15.32 - FUEL GAS CODE

15.32.010 - Fuel Gas Code adopted by reference.

A. Adoption, Insertions and Changes to the Fuel Gas Code. A certain document a copy of which is on file in the office of the village clerk, marked and designated as "International Fuel Gas Code, 2018 Edition" as published by the International Code Council, Inc., is adopted as the Fuel Gas Code of the Village of Harwood Heights.

B. Additions, Insertions and Changes to the Fuel Gas Code. The following sections of the 2018 International Fuel Gas Code are hereby amended or added:

Section 101.1 Insert the Village of Harwood Heights.

Section 106.6.2 See the Village of Harwood Heights fee schedule ordinance.

Section 106.6.3 See the Village of Harwood Heights fee schedule ordinance.

Section 108.4 See the Village of Harwood Heights fee schedule ordinance.

Section 108.5 See the Village of Harwood Heights fee schedule ordinance.

Section 109.2 Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Chapter 8 Referenced standards—Change the following referenced standards

ICC

Change the International Plumbing Code to the Illinois Plumbing Code.

NFPA See the building code for the changes to NFPA standards.

Adopt the following Appendices: A, B, C.

Chapter 15.36 - ENERGY CONSERVATION CODE

15.36.010 - Energy Conservation Code adopted by reference.

A. Adoption, Insertions and Changes to the Energy Code. A certain document, a copy of which is on file in the office of the village clerk, marked and designated as "International Energy Conservation Gas Code, 2018 Edition" as published by the International Code Council, Inc., is adopted as the Energy Conservation Gas Code of the Village of Harwood Heights.

B. Additions, Insertions and Changes to the Energy Conservation Code. The following sections of the 2018 International Energy Conservation Code are hereby amended or added by these amendments and the State of Illinois:

Section 101.1 Insert the Village of Harwood Heights.

Chapter 10 Referenced standards—Change the following referenced standards.

ICC

Change the International Plumbing Code to the Illinois Plumbing Code.

Chapter 15.40 - PROPERTY MAINTENANCE CODE

15.40.010 - Property Maintenance Code adopted by reference.

A. Adoption. A certain document, a copy of which is on file in the office of the village clerk, marked and designated as "International Property Maintenance Code, 2018 Edition" as published by the International Code Council, Inc. is adopted as the Property Maintenance Code of the Village of Harwood Heights.

B. Additions, Insertions and Changes to the Property Maintenance Code. The following sections of the 2009 International Property Maintenance Code are hereby amended or added:

Section 101.1 Insert the Village of Harwood Heights.

Section 103.5 See the Village of Harwood Heights fee schedule ordinance.

Section 108.5.1 Vacant or Fire Damaged Structures: Add the following: Every person owning or having charge or control of any vacant or fire damaged building shall remove all combustible waste and refuse therein and lock and barricade or otherwise secure all windows, doors and other openings in the building to prohibit entry by unauthorized persons.

Board up shall only be allowed when there is damage to a building from fire, storm or other incident. The maximum length of time for the building to be fitted with these board up enclosures is 90 days.

Section 111.2 Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Section 112.4.3 See the Village of Harwood Heights fee schedule ordinance.

Section 302.4 Weeds: insert 8 inches.

Section 303.2 Change the maximum fence height is 72 inches.

Section 304.3 Premises identification add the following: The use of script address is not allowed.

Section 304.3.1 add the following Tenant Identification: All buildings with multiple tenants or units shall have signs in the corridor across from the elevator door. This direction signage shall indicate the direction to each number tenant space. All tenant spaces shall have a sign, which indicates the tenant space number. The signs shall be constructed of durable materials, be permanently installed and be readily visible. Letters and numbers shall contrast with the background and shall be a minimum of 2 inches in height.

Section R304.3.2 Add the following lines When a house, multi family, commercial or industrial building has an additional entrance other than the front street an additional address shall be provided. Provide an address for all garages, which do not front on the street (side yard, rear yard or alley).

Section 304.14 Insert May 1 and October 1 respectively.

Section 404.3 Change exception #2 to 7 feet.

Insert at end of sentence in Section 404.5. Overcrowding.

"Overcrowding shall also be determined in a residential dwelling unit as any qualified bedroom occupied by one (1) person which does not consist of at least seventy (70) square feet of floor area and any qualified bedroom occupied by more than one (1) person which does not consist of at least fifty (50) square feet of floor area for each occupant thereof"

The only room used to calculate the occupant load of a building is bedrooms, other areas such as but not limited to living rooms, dining rooms, kitchens, recreation rooms and bathrooms shall not be used to calculate occupant load.

Section 602.3 Insert October 1 and May 1 respectively.

Section 602.4 Insert October 1 to May 1 respectively.

Chapter 8 Referenced standards—Change the following referenced standards.

ICC

Change the International Plumbing Code to the Illinois Plumbing Code.

Delete the International Zoning Code.

Chapter 15.44 - URBAN WILDLAND INTERFACE CODE

15.44.010 - Urban Wildland Interface Code adopted by reference.

A. Adoption. A certain document, a copy of which is on file in the office of the village clerk, marked and designated as "International Urban-Wildland Interface Code, 2018 Edition" as published by the International Code Council, Inc. is adopted as the Urban-Wildland Interface Code of the Village of Harwood Heights.

B. Additions, insertions and changes to the Urban-Wildland Interface Code.

C. The following sections of the 2018 International Urban-Wildland Interface Code are hereby amended or added:

Section 101.1 Insert the Village of Harwood Heights.

Section 104.1 Delete the first three lines and insert the following: The Village Board shall serve as the Board of Appeals.

Adopt the following appendices: A, B, C, D, E, F, G, and H.

Chapter 15.48 - FIRE CODE

15.48.010 - Fire Code adopted by reference.

A. Adoption. A certain document, a copy of which is on file in the office of the village clerk, marked and designated as "International Fire Code, 2018 Edition" as published by the International Code Council, Inc. is adopted as the Fire Code of the Village of Harwood Heights.

B. Additions, Insertions and Changes to the Fire Code. The following sections of the 2018 International Fire Code are hereby amended or added:

Section 101.1 Insert the Village of Harwood Heights.

Section 105 Permits: Delete the section in its entirety.

Section 109 Board of Appeals—Delete the section and insert the following: The Building Code Official shall serve as the Board of Appeals.

Section 109.3 Fees See The Village of Harwood Heights fee schedule.

Section 110.4 Penalties: See the Village of Harwood Heights fee schedule.

Section 110.5 Vacant or Fire Damaged Structures: Add the following: Every person owning or having charge or control of any vacant or fire damaged building shall remove all combustible waste and refuse there from and lock and barricade or otherwise secure all windows, doors and other openings in the building to prohibit entry by unauthorized persons.

Board up shall only be allowed when there is damage to a building from fire, storm or other incident. The maximum length of time for the building to be fitted with these board up enclosures is 90 days.

Section 503.7 Add the following: Where cul-de-sacs are permitted, they shall be not less than eighty feet (80') in diameter. A clear pavement width measured at the outer perimeter of the cul-de-sac of twenty-four feet (24') shall be maintained at all times.

Section 505.1 Premises identification add the following: The use of script address is not allowed.

Section 505.1.1 Add the following Tenant Identification: All buildings with multiple tenants or units shall have signs in the corridor across from the elevator door. This direction signage shall indicate the direction to each number tenant space. All tenant spaces shall have a sign, which indicates the tenant space number. The signs shall be constructed of durable materials, be permanently installed and be readily visible. Letters and numbers shall contrast with the background and shall be a minimum of 2 inches in height.

Section 505.1.2 Add the following: When a house, multi-family, commercial or industrial building has an additional entrance other than the front street an additional address shall be provided. Provide an address for all garages, which do not front on the street (side yard, rear yard or alley).

Section 903.2.1 Group A change all group A to 1,000 square feet.

Section 903.2.3 Group E change 12,000 to 1,000 square feet.

Section 903.2.4 Group F-1 change 12,000 square feet to 1,000 square feet.

Section 903.2.7 Group M change 12,000 to 1,000 square feet.

Section 903.3.9 Group S-1 change 12,000 to 1,000 square feet

Section 903.2.9.1 Motor vehicle repair garages over 1,000 square feet.

Add the following new sections 903.2.13—903.2.17 regarding fire sprinkler systems.

Section 903.2.13 All new construction over one (1) story in height and all other one (1) story buildings over one thousand (1,000) square feet in area.

Section 903.2.14 All basements in new construction.

Section 903.2.15 All business occupancies over one thousand (1,000) square feet.

Section 903.2.16 All existing Group S-1 over seven thousand (7,000) square feet.

Section 903.7 Add the following: Additional design requirements: all system shall comply with the additional design requirements.

903.7.1 The maximum friction loss due to pipe friction in the system shall be forty (40) psi at the design flow.

903.7.2 The system shall be designed with a minimum 10-pound safety cushion at the design flow.

903.7.3 Floor plan and zone chart. A floor plan showing the sprinkler and alarm zones shall be provided in the sprinkler riser room.

903.7.4 Whenever a backflow protection device is required to be installed on an existing sprinkler system, the system shall be reviewed to assure the design density or upper pressure for a pipe schedule system comply with the code. If the design pressure is inadequate, the automatic sprinkler system shall be redesigned as needed to be in compliance with the required design density or upper pressure for pipe schedule systems.

Section 905.3.9 Add the following new section: Public and private access is provided to each building (including buildings under construction) so the first responding pumper unit will be able to be located so that all points of the interior of the building may be reached by one hundred fifty feet (150') of initial attack hose from where the fire apparatus sets up operations.

Section 905.3.9.1 Add the following new section: Where the size and height of the building does not allow section 905.3.7 to be met, an interior standpipe system in compliance with the applicable sections of 905.4, 905.5 or 905.6 may be permitted as an exception.

Section 905.3.9 Add the following new section: When any floor of the building is three (3) or more stories in height.

Section 907.1.4 Add the following: Zone chart. A floor plan with a zone chart shall be provided at the annunciator and the fire sprinkler room.

Sections 907.2.8.1 and 907.2.8.2 Delete the sections and add the following: All group R-1 shall have a complete automatic fire alarm system.

Section 907.2.9 Delete the section and add the following: All group R-2 shall have a complete automatic fire alarm system.

Exception: Existing buildings of group R-2 with six (6) units or less, such as lodging houses, dormitories, apartments and similar occupancies.

Section 907.2.20 Covered malls: Delete exceeding 50,000 square feet in total area.

Section 907.2.24 Add the following section: All buildings with multiple uses including residential shall have a complete automatic fire alarm systems.

907.2.25 Add the following section: All other buildings over one (1) story in height; and one (1) story buildings over one thousand (1,000) square feet.

907.2.26 Add the following: Existing building one (1) story buildings under five thousand (5,000) square feet.

907.11 Add the following: Panel identification: An outside strobe light shall be located at the entrance providing access to each alarm and/or annunciator panel.

907.12 Add the following: Annunciator Panel: An annunciator panel is required where the fire alarm control panel is not visible from the building exterior. The annunciator panel shall be visible from the exterior of the building.

907.13 Add the following: Outside Alerting Device: All fire alarm and fire suppression systems shall have an outside alerting device of a type and at a location approved by the code official.

907.14 Add the following: Duct detectors: All duct smoke detectors installed or repaired after the effective date of this ordinance shall signal a supervisory condition only.

907.15 Add the following: Systems Out Of Service: Fire alarm systems shall be maintained in service at all times. Systems shall not be out of service for more than eight (8) hours for maintenance or repair.

909.22 Add the following: Where required: In addition to systems being required in other sections of the code all new construction shall have a smoke control system in the following locations.

909.22 Sprinklered building: In all sprinklered buildings with a gross area (combined area of all floors) exceeding forty thousand (40,000) square feet, including all unlimited area buildings as defined in section 507.

909.22 Multiple story buildings or building exceeding a specified height: All buildings over three (3) stories or thirty-five feet (35') in height, whichever is less.

Section 918 Add the following: False Fire Alarm Service Charge:

Section 918.1 Charge: A charge of five hundred dollars ($500) per call shall be made to the user of automatic fire alarm facilities, installed and maintained by others, which initiates a response by the Village of Harwood Heights for a false alarm being given or transmitted by these facilities to the District.

Section 918.2 Time period: This charge shall be for each false alarm transmitted and responded to by the Village of Harwood Heights during any ninety (90) day period commencing with the third (3rd) false alarm transmitted during any ninety (90) day period, whether caused by malfunctioning or intentionally or negligently misused or abused facilities or equipment, and which results in a the fire suppression and/or rescue apparatus and equipment being unnecessarily called to the property in response thereto. All charges shall be paid within thirty (30) days of the mailing or delivery of an invoice. Failure to pay may result in Village Licenses being revoked or suspended.

Section 1008.3 Add the following: All emergency light wiring shall be in its own raceway.

Section 1013.3.6.1 Add the following: All exit signs shall have red letters.

Section 1013.6.3.1 Add the following: All exit light wiring must be in its own raceway.

Section 5702.9.6.1 Add the following: The storage of cryogenics outside is not allowed.

Section 5706.2.4.4 Add the following: The storage of flammable liquids outside is not allowed.

Section 5806.2 Add the following: The storage of flammable liquids outside is not allowed.

Section 6104.2 Add the following: The storage of liquefied petroleum gases outside is not allowed. The storage of propane for sale shall comply with the provisions of this chapter.

Chapter 45 Change the following referenced standards.

ICC

Delete the International Existing Building Code.

Change the International Plumbing Code to the Illinois Plumbing Code.

NFPA See the Building for changes to the NFPA standards.

Adopt the following Appendices: E.

SECTION 19 CONSTRUCTION WORK

1. Construction hours: Construction. Including mass grading and excavations shall only be allowed during the following hours:

Monday—Saturday 7:00 AM to 8:00 PM

Sunday 9:00 AM to 5:00 PM

2. Dust Control: During grading, excavation and construction, dust control measures shall be taken, as needed, such measures to include regular use of water trucks, includes the use of water trucks and wets saws.

3. Streets: During grading, excavation and construction, the streets shall be kept clean and free from construction debris. Streets shall be cleaned at least daily and immediately after mud or other debris has been deposited on the street.

4. Trash Containers: Approved trash containers for construction debris shall be present on-site and shall be maintained as needed during construction of the proposed structure or improvements.

5. Provide a six-foot chain link fence around all construction areas. The use of other fence material is not allowed. The fence shall be removed at the discretion of the building department.

6. No dumping or placing of any material, waste material or spoils onto the street or alley is allowed.

7. All construction sites shall have proper sanitation facilities.

8. All construction sites residential and commercial shall have an address posted during construction.

STATE OF ILLINOIS

COUNTY OF COOK

CERTIFICATION

I, Marcia L. Pollowy, do hereby certify that I am the duly elected and acting Clerk of the Village of Harwood Heights, County of Cook, State of Illinois.

I do further certify that the foregoing Ordinance 20-09 entitled:

AN ORDINANCE AMENDING TITLE 15 ("BUILDINGS AND CONSTRUCTION"), OF THE VILLAGE OF HARWOOD HEIGHTS CODE OF ORDINANCES TO PROVIDE FOR THE ADOPTION BY REFERENCE OF UPDATED TECHNICAL BUILDING CODES AND FURTHER AMENDING CERTAIN PROVISIONS OF SUCH CODES FOR THE VILLAGE OF HARWOOD HEIGHTS, COOK COUNTY ILLINOIS

Is true and correct copy of an Ordinance adopted by the Board of Trustees of the Village of Harwood Heights at a meeting held on the 8th day of April, 2020.

I do further certify that the original of which the foregoing is a true copy is entrusted to my care and safekeeping, and that I am keeper of the same.

I do further certify that I am the keeper of the records, ordinances, and resolutions of said Village of Harwood Heights, Cook County, Illinois.

In witness whereof I have hereunto set my official hand and seal this 9th day of April, 2020.

Marcia L. Pollowy
Village Clerk

Corporate Seal