

ORDINANCE NO. O-19- 22

AN ORDINANCE ADOPTING BY REFERENCE AS THE CODES FOR THE VILLAGE OF HANOVER PARK THE 2018 INTERNATIONAL CODE COUNCIL, INC. SERIES OF CODES, THE 2017 NATIONAL ELECTRICAL CODE AND OTHER CODES AS LISTED AND AMENDED BELOW, INCLUDING THE REORGANIZATION AND CODIFICATION OF VARIOUS MUNICIPAL CODE SECTIONS RELATED TO THE CONSTRUCTION AND MAINTENANCE OF BUILDINGS, STRUCTURES AND OTHER USES

WHEREAS, the Village of Hanover Park is a home rule unit by virtue of the provisions of the 1970 Constitution of the State of Illinois; and

WHEREAS, the Village, as a home rule unit, may exercise power and perform any function pertaining to its government and affairs including the power to regulate for the protection of the public health, safety, and welfare including the construction and maintenance of structures; and

WHEREAS, the Village pursuant to its home rule authority desires to adopt the above titled codes; now, therefore

BE IT ORDAINED by the President and Board of Trustees of the Village of Hanover Park, Cook and DuPage Counties, Illinois, as follows:

SECTION 1: That the Municipal Code of the Village of Hanover Park, as amended, is amended by deleting therefrom Chapter 30 – ELECTRICITY; Article I and Sections 46-31, 46-32, 46-33, and 46-34 of Article II of Chapter 46 – FIRE PREVENTION AND PROTECTION; and Chapter 74 – PLUMBING AND SANITATION CODE.

SECTION 2: That Chapter 18 of the Municipal Code of the Village of Hanover Park, as amended, is amended to read as follows:

ARTICLE I. – GENERAL REGULATIONS

Sec. 18-01 **GENERAL REGULATIONS for HANOVER PARK regarding BUILDINGS, STRUCTURES and LAND**

Sec. 18-01.01 Requirements for vacant lots after demolition of a building: The following vacant lot requirements shall apply to all property within the Village of Hanover Park following the demolition or removal of a building. It is the intention of the Village Board that, to the fullest extent possible, that the following provisions, or as many as may be fully applicable shall, in addition to being applied prospectively shall also be applied retroactively to all vacant lots following demolition that has occurred within the village within a period commencing 24 months prior to the adoption of this amendment. Prior to the issuance of any permit for the wrecking, demolishing, or razing of any building or other structure in excess of 1,000 square feet, the owner of said building or structure shall deposit, in escrow, funds in an amount deemed sufficient by the code official or his designee to secure the owner's obligations to grade, place topsoil, seed, sod, and/or fence any unimproved surface. Should the owner and/or owner's successor(s) in interest fail to perform said duties, the village may draw on said funds to complete all required tasks. For the demolition of a building or structure, or part thereof, greater than 1,000 square feet in area, the vacant lot resulting thereafter shall be filled and maintained and the owner or successive owner shall be required to provide the following supporting documents and is subject to the following requirements and submittals:

1. A site management plan shall be submitted for review and approval if new construction is to

commence within 90 days from the issuance of the building permit for the demolition work, and indicate the following items: a. The property drawn to a scale of not less than one-inch equals 20 feet (1" = 20') unless otherwise approved by the code official. b. Existing buildings to be removed or retained. c. All easements, existing utility lines, well and septic systems on the subject property and all adjacent parkways and property within 20 feet. d. Silt fencing, protective tree fencing, and perimeter safety fencing in required locations. e. Means of primary ingress/egress from the public ways to the site and points for emergency access, traffic control devices and measures, and on-site and off-site parking areas. f. Temporary areas for the storage or staging of debris, soil, construction materials and construction equipment.

2. A site restoration plan shall be submitted for review and approval if new construction will not commence within 90 days from the issuance of the building permit for the demolition work, and indicate the following items: a. The property drawn to a scale of not less than one-inch equals 20 feet (1" = 20') unless otherwise approved by the code official. b. Measures to restore the site in accordance with the applicable county countywide storm water and floodplain ordinance to the natural grade, establish soil stabilization or groundcover, and an itemized cost estimate to complete the work. c. A statement indicating that the site restoration work will be completed with a required 90-day period after substantial completion of the demolition work. An extension of time may be granted by the fire chief or his designee if unforeseen circumstances are determined to impede the completion of the restoration.

3. Upon completion of demolition, all debris, equipment and temporary protections shall be removed from the site. In no case shall demolition debris be allowed to remain on the site longer than seven days after the structure has been demolished.

4. Upon completion of demolition, the owner and/or the owner's successor(s) shall immediately restore the public right-of-way to its original condition upon completion of the work, including restoration of openings, broom sweeping walks and streets, mow grassy areas and if required by raking of grassy areas.

5. On completion of demolition, the property owner and/or the owner's successor(s) in interest shall fill the property with clean inorganic material with the upper eight inches filled in friable topsoil and graded to the level of sidewalks, alleys, or adjoining property with allowance for settlement.

6. On completion of demolition, the property owner and/or owner's successor(s) in interest shall schedule and permit an inspection by the building official to determine compliance with the Village Code.

7. Unless construction of a new building on the site commences within 90 days of completion of demolition, the property owner and/or owner's successor(s) shall seed the property with grass or place sod thereon no later than 15 days after completion of demolition and restoration. The temporary construction fence shall be removed no later than 15 days after such seeding or sodding.

It is unlawful for any person to violate a provision of this section or fail to comply with any requirement thereof, or demolish a building or structure in violation thereof, or fail to comply with the requirements of this section concerning a vacant lot following the demolition of a building or structure, and any such violation shall be punishable by a fine of not less than \$100.00 nor more than \$1000.00. Each day a violation continues shall be deemed a separate offense.

- Sec. 18-01.02 Change of occupancy: All buildings or parts of a building vacant for more than one year shall be considered a change of use.
- Sec. 18-01.03 Permit required to move a building or structure: No person shall move any building on, through, or over any street, alley, sidewalk, or other public place in the village without having obtained a permit. The application shall also include the proposed route and number of days for the move when application is made.
- Sec. 18-01.04 Bond Required to move a building or structure: Every person applying for a permit under Section 18-01.03 shall submit with their application a cash bond in the amount of \$50,000.00 issued by a lawful corporate surety to be approved by the code official, conditioned upon their compliance with all of the provisions of this article, and agreeing to pay and hold the Village of Hanover Park harmless from any claim which may be made against it by reason of occupation of any street, alley, sidewalk, or other public place by the building or structure moved.
- Sec. 18-01.05 Disconnection and reconnection of utility wires: When it shall be necessary to interfere with wires or cables of a public utility in moving a building or structure, the terms of any special or franchise ordinance governing shall apply, and the bond therein specified shall be given. If no such terms apply, then the code official shall estimate the expense of repairing the wires, and the value of the bond to be given to cover the expense which shall be 110% of the value of the work as determined by the code official.
- Sec. 18-01.06 Buildings and Structures existing prior to 1997: Applies to structures existing prior to October 1, 1997, in which there is work involving additions, alterations, or changes of occupancy shall be made to conform to the requirements of currently adopted International Existing Building Code. When approved by the Building Official, this code shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, M, R, S, and U. These provisions shall not apply to buildings with occupancies in Group H or I.
- Sec. 18-01.07 Footing Drains: Footing drains shall be connected to sump pumps, and discharge shall be made into storm sewers, swales provided in the drainage easements along the lot lines or into drywells located not closer than 5 feet to a side yard lot line or 10 feet from a front or rear lot line. No footing drains or drainage tile shall be connected to the sanitary sewer system. Footing drain discharge methods are subject to review and approval by the code official.
- Sec. 18-01.08 Concrete slab reinforcement: All concrete slabs shall be reinforced with a minimum of a six-inch by six-inch 1.4/1.4 (10-guage) welded wire mesh supported at mid-depth of the slab on three-foot centers or an approved equal. Exceptions: 1. Reinforcement is not required in public and private sidewalks. 2. Reinforcement is not permitted in parkway driveway aprons.
- Sec. 18-01.09 Skateboard ramps: It has generally been determined that the unregulated use and construction of skateboard ramps or pipes in the village can be detrimental to the health, safety and welfare of the residents of the Village and regulations of these ramps is essential.

"Skateboard ramps" defined. "Skateboard ramps" shall refer to all outdoor structures designed and principally intended to permit persons on skateboards to move continuously from one side to another, commonly known as ramps or pipes.

Applicability of provisions; compliance: In order to protect the health, safety and welfare of the citizens of the village, these provisions shall apply to any skateboard ramp constructed, erected,

placed or maintained on or after the effective date of this section and shall apply to any skateboard ramp in existence as of the effective date of this section although it may have been erected, placed or maintained prior to the effective date of this section. In the case of existing skateboard ramps, the owner or property owner upon which the ramp is located shall have a period of 30 days from the effective date of this section to either remove the ramp or bring it into compliance with the revisions of this section.

A skateboard ramp that is more than 30 inches in height shall be required to be constructed after issuance of a building permit and compliance with the following regulations: 1. No skateboard ramp shall exceed six feet in height. 2. Skateboard ramps shall not be located in the front, side or corner side yards of residentially zoned property. 3. No skateboard ramp shall be located within ten feet to the rear or side lot line.

Skateboard ramps shall comply with all of the requirements of the building code for decks and similar structures, including, but not limited to: a. Holes for skateboard ramp support posts shall be at least eight inches in diameter, 42 inches below grade and filled with concrete. b. All lumber in direct contact with the ground shall be pressure-treated with wood preservative. Plywood used in ramp construction shall be exterior-grade. c. A ramp platform 30 inches or more above ground shall have a guardrail at least 36 inches high. d. Ramp design shall not allow the utilization of space under the ramp or the platform as storage space. e. All wood used in ramp construction shall be smooth-finished to prevent injury and shall be properly surface-coated to prevent deterioration.

Sec. 18-01.10 Variations: Any person who desires to contest a decision of the code official on any interpretation of this Code as to the manner of construction or materials to be used in the erection, alteration or repair of a building or structure may seek a variation from the President and Board of Trustees of the Village of Hanover Park.

Sec. 18-01.11 Lawn Irrigation Systems in the Village right-of-way: A property owner who installs a lawn irrigation system in the village right-of-way shall: a. Obtain and comply with the conditions of a building permit for that installation. b. Not place or operate sprinkler heads to create a hazard or nuisance. c. Not use the lawn irrigation system when the temperature in the next 24 hours is to fall below 40 degrees Fahrenheit. d. Relocate or remove the lawn irrigation system from the right-of-way in the event said relocation or removal is required by the Village or other utility company authorized to use the village right-of-way. e. Defend, indemnify, and hold harmless the village, its officials, and employees from and against any and all claims and liability for all loss, damage, or injury arising directly or indirectly from the lawn irrigation system or to the system that is permitted in the village right-of-way.

Sec. 18-01.12 Elevator Regulations adopted: The current following regulations published in pamphlet form are hereby adopted as the regulations governing the construction, alteration, replacement, repair, maintenance, use, and inspections of elevators.

1. American Society of Mechanical Engineers (ASME): Safety Code for Elevators and Escalators (ASME A17.1), A17.1 (a) and A17.1(s);
2. Guide for Inspection of Elevators, Escalators, and Moving Walks (ASME 17.2);
3. Safety Code for Existing Elevators and Escalators (ASME A17.3);
4. Safety Standard for Platform Lifts and Stairway Chairlifts (ASME A18.1);

5. Standard for the Qualifications of Elevator Inspectors (ASME QEI-1).
6. American National Standards: Safety Requirements for Personal Hoists and Employee Elevators (ANSI A10.4).
7. American Society of Civil Engineers (ASCE):
8. Automated People Mover Standards (ASCE 21).

- Sec. 18-01.13 Additional regulations regarding Public Sidewalks: The Municipal Code of Hanover Park, regarding sidewalks is amended by adding: When existing driveways are resurfaced, reconstructed or widened the adjacent sidewalk in the right-of-way shall not be required to be replaced to comply with this section.
- Sec. 18-01.14 The Municipal Code of Hanover Park regarding driveways is amended by adding: Non-conforming off-street parking facilities: It shall be unlawful for the owner of a dwelling which has legal nonconforming off-street parking facilities including driveways, parking spaces or aprons, to not bring the off-street parking facilities into full compliance with all requirements of this Code whenever the parking facilities are replaced or resurfaced.
- Sec. 18-01.15 Access passageways; restrictions: It shall be unlawful to enclose any exit from a building with any turnstile, fence, gate, rails or similar devices or combination of devices and openings. All existing turnstiles, fences, gates, rails or other similar devices shall be removed prior to December 1, 1985.
- Sec. 18-01.16 Smoke detector act adopted; amendments, violation and penalty: (a) Adopted: The regulations of the Smoke Detector Act (425 ILCS 60/1 et seq.) and all rules, regulations and amendments thereto are hereby adopted by reference with such amendments as are hereafter set forth. (b) Amendments. (1)
- Section 803(c) is amended by adding: If each unit opens directly into a common enclosed stairway, a detector shall also be installed on the ceiling of each floor landing. (2) Section 803(e) is amended by adding: All smoke detectors required to be wired into the structure's AC power line shall also be provided with battery-powered backup. (c) Violation; penalty. A violation of any provision of the State of Illinois Smoke Detector Act (425 ILCS 60/1 et seq.), as amended, shall be considered a violation of this section and shall be liable for a fine of not less than \$100.00 or more than \$1000.00. Each day that a violation continues shall be deemed a separate offense.
- Sec. 18-01.17 The Village of Hanover Park has adopted the current edition of the DuPage County Health Department Food Service Design & Construction Manual for all commercial food preparation in Cook or DuPage County. Any commercial food preparation facility located in DuPage County shall also be under the jurisdiction of the DuPage County Health Department.
- Sec. 18-01.18 Food Preparation Sink: An NSF approved food preparation sink with one bin and one integral drain board is required when vegetable, fruit, pasta, meat, and seafood washing, thawing, and cooling processes occur. Two drain boards are recommended in grocery stores with meat and seafood areas. Food preparation sinks are to be isolated from other workstations such as utensil washing and cookline areas. The use of a 3-compartment or 4-compartment utensil washing sink for preparation purposes will not be approved.

ARTICLE II. – BUILDING CODE

Sec. 18-10 **2018 INTERNATIONAL BUILDING CODE - IBC**

Sec. 18-10.1 2018 International Building Code - IBC – For all work not covered by the currently adopted International Residential Code (see Sec. 18-20 of this Chapter). The regulations of the 2018 Edition of the International Building Code, IBC, as recommended and published by the International Code Council, Inc., published in pamphlet form, are adopted as the regulations governing the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures and accessory structures with such amendments as are hereafter set forth in this article.

Sec. 18-11 **AMENDMENTS TO THE 2018 INTERNATIONAL BUILDING CODE - IBC**

Sec. 18-11.01 [A] 101.1 Title. These regulations shall be known as the Building Code of the Village of Hanover Park, Illinois, hereinafter referred to as “this code.”

Sec. 18-11.02 [A] 105.2 is amended to read as follows: [A] 105.2 Work exempt from permit. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following: 7. Painting, papering, tiling, carpeting and similar finish work. 9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground. 10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems. 11. Swings and other playground equipment accessory to detached one- and two-family dwellings. 12. Window awnings in Group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.

Sec. 18-11.03 [A] 105.5.1 is added to read as follows: Unless a sooner expiration date is provided on the permit by the Building Official, the permit shall expire one (1) year after its date of issuance. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Sec. 18-11.04 [A] 105.5.2 is added to read as follows: Permit term for demolition. A permit issued for the demolition of any building or structure shall be for a term not to exceed 30 days and all permitted demolition shall be completed within the time limit of the permit. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 30 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Sec. 18-11.05 [A] 107.2.6 is amended by adding the following: A plat of survey prepared by an Illinois-registered land surveyor, showing the property and all existing improvements, shall accompany permit applications unless waived by the building official. The applicant shall indicate all proposed improvements on the plat of survey or site plan or a copy of same.

Sec. 18-11.06 [A] 107.2.9 is added to read as follows: (1) Traffic study: Prior to the issuance of a building permit by the code official or a site development permit by the village engineer, for which a traffic engineering study is required to meet the requirements of the Municipal Code of Hanover Park, a traffic engineering study shall be obtained by the village and paid for by the permittee; and (2) The

permittee shall pay to the village prior to the village's request for the traffic engineering study the estimated cost from the proposal of the traffic engineer selected by the village. If the final cost of the traffic engineering study is less than the estimate, then the village shall refund the difference, but if the cost is more than the estimate, the permittee shall pay such difference not later than prior to the issuance of the permit.

- Sec. 18-11.07 [A] 110.3.1.1 is added to read as follows: Survey requirements. After construction of the foundation, an as-built plat of survey, prepared by a registered Illinois Land Surveyor, unless waived by the building official in writing, shall be submitted to show the dimensions from the foundation to the lot lines and the elevation of the top of the foundation and center of the adjoining roadway. The survey shall show that the foundation is not encroaching upon any public or utility easements, required setback or adjoining property.
- Sec. 18-11.08 [A] 111.3 is amended by adding: Temporary occupancy permit. Pending the issuance of a certificate of occupancy and/or certificate of compliance and upon the written request of the holder of a building permit, or of the owner, a temporary occupancy permit to authorize temporary occupancy may be issued by the code official upon the following conditions: 1. Occupancy shall be authorized only in those portions of the building or structure as indicated on the permit. 2. Conditions of the occupancy may be required as deemed necessary. 3. In no instance shall the code official utilize the above procedure where the premises for which a temporary certificate of occupancy has been requested are not safe for occupancy. 4. Temporary occupancy, when allowed, shall not extend for a period of more than 60 days. This period may be extended for up to 120 more days by the village code official upon proof by the building permit holder or the owner of undue hardship that prevents them from achieving compliance. 5. The fees for a temporary occupancy permit shall be paid in accordance with Chapter 18, Article VI or as follows. 6. Temporary certificates of occupancy shall only be issued for single-family detached structures between October 15 and April 15 with the posting of a cash bond in the following amounts for each incomplete requirement: Landscaping \$2,000.00, Driveway on the property \$1,000.00. Driveway approach in right-of-way \$1,000.00, Service walks \$400.00 Stoops/decks \$600.00. 7. Temporary certificates of occupancy shall only be issued for multifamily structures between October 15 and April 15 with the posting of a \$2,000.00 cash bond per dwelling unit. 8. For all other nonresidential structures, a temporary certificate of occupancy shall be issued at any time upon the posting of a cash bond in the amount of 110 percent of the cost of the incomplete requirements as determined by the building official.
- Sec. 18-11.09 [A] 113.1 General is amended to read as follows: "The board of appeals shall be appointed by the governing body and shall hold office at its pleasure," and inserting "the Village Board shall be the Board of Appeals."
- Sec. 18-11.10 [A] 113.3 Qualifications is deleted.
- Sec. 18-11.11 [A] 114.4 is amended to read as follows: Violation penalties. 1. It is unlawful for any person to violate a provision of this code or fail to comply with any requirements thereof or erect, construct, alter, or repair a building or structure in violation of an approved plan or directive of the Code Official or of a permit or certificate issued under the provisions of this code and shall be punished by a fine of not less than \$100.00 nor more than \$1000.00. Each day that a violation continues shall be deemed a separate offense. 2. Any person that performs work without obtaining a permit as required by this code shall pay a permit fee double the amount of fee calculated for the work in accordance with the schedule set forth herein. 3. A second violation of the offense within a 12-calendar-month period shall require payment of a fee quadruple the amount of the standard fee or a minimum of \$150.00,

whichever is greater.

- Sec. 18-11.12 [A] 115.3 Unlawful continuance is amended to read as follows: Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform or to remove a violation of unsafe conditions, or who removes a stop work order posted on any structure by the Building Official, shall be liable for a fine of not less than \$100.00 or more than \$1000.00. Each day that a violation continues shall be deemed a separate offense.
- Sec. 18-11.13 [A] 116.6 is added to read as follows: Vacant or fire-damaged structures. Every person owning or having charge or control of any vacant or fire-damaged building shall remove all combustible waste and refuse therefrom and lock and barricade or otherwise secure all windows, doors, and other openings in the building to prohibit entry by unauthorized persons.
- Sec. 18-11.14 202 [BG] HIGH-RISE BUILDING. A building with an occupied floor located more than 40 feet above the lowest level or that is over 50 feet in height from the ground level of fire department vehicle access.
- Sec. 18-11.15 [F] 502.2 is added and shall read as follows: Tenant identification. All buildings with multiple tenants or units shall have signs in the main entry corridor or in the corridor across from the elevator door for a building with elevators. This directional signage shall indicate the number of each 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 two inches in height unless otherwise approved by the code official.
- Sec. 18-11.16 [F] 507.14 is added and shall read as follows: Subdivision of existing unlimited area buildings. Lawfully existing unlimited area buildings divided by new lot lines are not required to comply with the fire separation distance regulation of Table 507.2 provided all of the following requirements are met: 1. The subdivision is only made for tax assessment purposes, and the individual lots created by the subdivision of an unlimited area building shall not be individually sold or mortgaged. 2. The building prior to subdivision complied with all requirements for unlimited area buildings. 3. Any addition or alteration of any portion of the building must comply with all requirements for an unlimited area building.
- Sec. 18-11.17 706.12 is added to read as follows: Tenant separation. Each tenant shall be separated from other tenant spaces by fire barriers (walls and floor ceiling assemblies) having at least a two-hour fire rating. Fully sprinkled buildings shall be required to have a tenant separation of not less than one hour unless otherwise required by the code.
- Sec. 18-11.18 708.1.1 is added to read as follows: Multiple single-family dwellings: Single-family dwelling units (Use Group R-3) shall be considered as one building classified as Use Group R-3 for the purpose of determining the applicable provisions of this code; provided that each dwelling unit is completely separated from the adjacent dwelling unit(s) by fire separation wall(s) and floor/ceiling assemblies of not less than two-hour fire-resistant-rated construction, and each unit has an independent means of egress.
- Sec. 18-11.19 708.1.2 is added to read as follows: Use Group R-2 structures. 1. The provisions of this section shall apply to all multifamily structures containing five or more sleeping and/or dwelling units; or one

or more living/work units in a structure containing another type of use such as business or industrial. The fire resistance rating of structural elements (including walls, floors, and roof) and tenant separation or party walls shall be a minimum of two hours. Exterior and load-bearing wall construction shall be of masonry. All floors shall have at least a two-hour fire resistance rating. 2. A building nonconforming as to the requirements of this section which is damaged by fire or other casualty may be restored without compliance with this requirement if the cost of reconstruction to its condition prior to the casualty does not exceed 50 percent of the replacement cost of the entire building and compliance with the code.

- Sec. 18-11.20 711.1.1 is added to read as follows: Use Group R-2 structures. Floor, roof, and ceiling assemblies of Type R-2 construction shall comply with the requirements of Section 708.1.2.
- Sec. 18-11.21 903.2 is amended to read as follows: All buildings of all use groups, other than one- and two-family dwellings, greater than 2,500 square feet shall be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13. All spec warehouse buildings (Use Groups S or F) with a ceiling height 25 feet or greater shall be protected with an ESFR fire sprinkler system or hydraulically-calculated system for Class IV commodities with rack storage calculated to the greatest storage height. All automatic fire sprinkler systems shall be electronically supervised by a fire alarm system. For the purposes of this section, a building is defined as the aggregate floor area bounded by the exterior walls regardless of fire walls, fire barriers, or fire resistance-rated horizontal assemblies. Any addition to an existing building that does not have a fire sprinkler system that would increase the total area of the building to over 2,500 square feet or to an existing building that does not have a fire sprinkler system and is currently over 2,500 square feet shall require the existing building and addition be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13.
- Sec. 18-11.22 903.2.1.1 through 903.2.10.1, exceptions are deleted. Fire sprinklers are required.
- Sec. 18-11.23 903.3.5 is amended by adding the following: Hydrant flow data used for the design of any automatic fire sprinkler system shall be no more than one-year old unless approved by the building official. Replace "International Plumbing Code" with the currently adopted State of Illinois Plumbing Code as amended by the Village of Hanover Park.
- Sec. 18-11.24 903.3.5.3 is added to read as follows: System Demand: A minimum safety factor of 10% or 5 psi shall be provided in any automatic fire sprinkler system hydraulic calculation. The system demand shall be a minimum of 5 psi below the seasonal low water flow test supply.
- Sec. 18-11.25 903.4.1 is amended to read as follows: Alarm, supervisory, and trouble signals shall be distinctly different and automatically transmitted to a remote supervising station as defined in NFPA 72. DuComm is the Communications Center for the Village of Hanover Park.
- Sec. 18-11.26 903.4.1.1 is added to read as follows: Fire Department Supervision: All required fire alarm systems shall terminate at the Fire Department Communications Center. DuComm is the Communications Center for the Village of Hanover Park.
- Sec. 18-11.27 903.4.2.1 is added to read as follows: FDC Indicating Devices: An approved audio and visual alarm device shall be located on the exterior of the building over the Fire Department Connection (FDC).

- Sec. 18-11.28 903.4.2.2 is added to read as follows: Alarm Indicating Devices: Audio and visual alarm indicating devices shall be provided, seen, and heard in all areas of the building. All alarm-indicating devices shall be installed and maintained in accordance with NFPA 72. All buildings with an automatic fire sprinkler system shall be provided with alarm-indicating devices except single family residences.
- Sec. 18-11.29 903.4.2.3 is added to read as follows: Automatic fire sprinkler system inspector test valves shall be accessible at all times and shall be located no more than six feet above finished floor. On multiple riser systems, the test valve shall be marked to indicate which riser and area it tests.
- Sec. 18-11.30 903.4.3 is amended to read as follows: Approved supervised-indicating control valves shall be provided at the point of connection to the riser on each floor in multiple-story buildings.
- Sec. 18-11.31 903.4.4 is added to read as follows: Zoned Areas: When a single zone of an automatic fire sprinkler system protects more than a single room or area, the fire code official may require additional smoke detectors in order to more rapidly identify the location of the smoke or fire.
- Sec. 18-11.32 907.1.4 is added to read as follows: All fire alarm systems shall be of the addressable type and shall be installed in accordance with NFPA 72.
- Sec. 18-11.33 907.1.5 is added to read as follows: Protection of control units: In areas that are not continuously occupied, automatic fire detection shall be provided at the location of each new fire alarm control unit, fire alarm notification circuit power extender, and supervising station transmitting equipment to provide notification of a fire at that location.
- Exception: Additional detection is not required in buildings that are sprinklered in accordance with Section 903.3.1.1 or 903.3.1.2.
- Sec. 18-11.34 907.1.6 is added to read as follows: Monitoring: Fire alarm systems required by this chapter or by the International Fire Code shall be monitored by a remote supervising station in accordance with NFPA 72 and shall terminate at the Fire Department Communications Center. All new required fire alarm systems shall transmit trouble, supervisory, and fire signals directly to the Fire Department Communications Center remote receiving station via a wireless transmitter in accordance with NFPA 72. Only equipment certified and approved by the remote receiving station and/or its designated proprietor may be installed. The designated proprietary agent shall be the only authorized installer of the approved radio transmitters. Existing systems shall be changed to wireless upon the alarm owner's request, when the existing equipment is updated or where a disconnection of the telephone lines has occurred for a time period of more than 30 days. Exception: Supervisory service is not required for: 1. Single-and-multiple-station smoke alarms required by Section 907.2.10; 2. Smoke detectors in Group I-3 occupancies; 3. Automatic sprinkler systems in one-and-two-family dwellings.
- Sec. 18-11.35 907.2 is amended to read as follows: Where required: An approved manual, automatic, or manual and automatic fire alarm system shall be provided in all Use Groups. For the purpose of this section, a building is defined as the aggregate floor area bounded by the exterior walls regardless of fire walls, fire barriers, or fire resistance-rated horizontal assemblies. Exceptions: 1. Section 907.2.6 of the International Fire Code Use Group I shall remain without amendments; 2. An approved automatic fire detection system shall be installed in accordance with NFPA 72 in all Use Groups not provided with an automatic fire sprinkler system. Devices, combinations of devices, appliances, and equipment shall comply with Section 907.1.2. The automatic fire detectors shall be smoke detectors, except that an approved alternative-type of detector shall be installed in spaces such as boiler rooms where

during normal operation, products of combustion are present in sufficient quantity to actuate a smoke detector. All fire alarm control panels shall be installed within ten feet of the building main entrance, or in a location approved by the Code Official. Section 907.2.1 through 907.2.5 and 907.2.7 through 907.2.10 are deleted and “where the total area exceeds 50,000 square feet” in 902.2.20 is amended to read “all areas.”

- Sec. 18-11.36 1612.3 is hereby amended to read as follows: The Village of Hanover Park flood hazard areas shall be based on the floodplain regulations in article III of chapter 38 of the Municipal Code.
- Sec. 18-11.37 Chapter 29 – Plumbing Systems shall be replaced with the requirements of the ILLINOIS ADMINISTRATIVE CODE 890 - State of Illinois Plumbing Code (IPC) as amended and adopted by the Village of Hanover Park. The code official or plumbing inspector may require adherence to the requirements of Chapter 29 for items not addressed in the State of Illinois Plumbing Code (IPC) as amended and adopted by the Village of Hanover Park.
- Sec. 18-11.38 3001.3 is amended by adding thereto the current standards of the following: ASME A17.2, A17.3, A18.1, ASME QE1-1, ANSI A10.4-2004, ASCE 21, and ANSI MH29.1.
- Sec. 18-11.39 3002.4 is amended to read as follows: Elevator car to accommodate ambulance stretcher: In all buildings with an elevator, at least one elevator shall be provided for Fire Department emergency access to all floors. Such elevator car shall be of such a size and arrangement to accommodate a 24-inch by 84-inch 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 three inches (76 mm) high and wide and shall be placed inside on both sides of the main lobby hoist way door frame.
- Sec. 18-11.40 3003.2 is amended to read as follows: Firefighters' emergency operation: Elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1 and NFPA 72.
- Sec. 18-11.41 3005.1 is amended by adding the following: An approved means of access shall be provided to elevator machine rooms and overhead machinery spaces. This means of access is not to be used as a passageway through the machine room to other areas of the building.
- Sec. 18-11.42 3008.11 is added to read as follows:

Responsibility, Maintenance, and Unsafe Conditions:

1. Owner responsibility: The owner or the owner's legal agent for the building in which the equipment is located shall be responsible for the care, maintenance, and safe operation of all equipment covered by this article after the installation thereof and acceptance by such owner or agent. The owner or legal agent shall make or cause to be made all periodic tests and inspections and shall maintain all equipment in a safe operating condition, as required by this article.
2. Contractor responsibility: The person installing any device covered by this article shall make all acceptance tests and shall be responsible for the care and safe operation of such equipment during its construction and unit temporarily or finally accepted by the Code Officials Elevator Inspector.
3. Maintenance items: All operating and electrical parts and accessory equipment or devices subject to this article shall be maintained in a safe operating condition. The maintenance of elevators,

dumbwaiters, and escalators shall conform to ASME A17.1 listed in Appendix A and Section 8.6.

4. Unsafe conditions: If, upon inspection, any equipment covered in this article is found to be in an unsafe condition, or not in acceptance with the provisions of this code, the code official shall thereupon serve a written notice of such finding upon the building owner or lessee, stating the time when recommended repairs or changes shall be completed. After the service of such notice, it shall be the duty of the owner to proceed within the time allowed to make such repairs or changes as are necessary to place the equipment in a safe condition. It shall be unlawful to operate such equipment after the date stated in the notice unless such recommended repairs or changes have been made and the equipment has been approved, or unless an extension of time has been secured from the code official in writing. Time duration to be 24 hours, seven days, 15 days, or maximum 30 days.

a. Power to seal equipment: In cases of emergency, the Code Official, in addition to any other penalties herein provided, shall have the power to seal out of service any device or equipment covered by this article when, in the opinion of the Code Official, the condition of the device is such that the device is rendered unsafe for operation; or for willful failure to comply with recommendations and orders of the code official.

b. Notice of sealing out of service: Before sealing any equipment out of service, the code official, except in case of emergency, shall serve written notice upon the building owner or lessee stating the intention to seal the equipment out of service and the reason, therefore.

c. Unlawful to remove seal: Any device sealed out of service by the code official shall be plainly marked with a sign or tag indicating the reason for such sealing. Any tampering with, defacing, or removal of the sign, tag, or seal without approval shall constitute a violation of this article.

5. Accidents reported and recorded: The owner of the building shall immediately notify the code official of every accident involving personal injury or damage to the apparatus on, about, or in connection with any equipment covered by this article and shall afford the code official every facility for investigating such accident. When an accident involves the failure, breakage, damage, or destruction of any part of the apparatus or mechanism, it shall be unlawful to use such devices until after an examination by the code official is made and approval of the equipment for continued use is granted. It shall be the duty of the code official to make a prompt examination into the cause of the accident and to enter a full and complete report thereof in the records of the building department. Such records shall be open for public inspection at all reasonable hours.

6. Removal of damaged parts: It shall be unlawful to remove from the premises any part of the damaged construction or operating mechanism of elevators, or other equipment subject to provisions of this article, until permission to do so has been granted by the code official.

Sec. 18-11.43 3008.12 is added to read as follows: Certificate of Compliance:

1. 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.

2. Posting certificates of compliance: The owner or lessee shall post the current-issued certificate of compliance in a conspicuous place inside the elevator.

Sec. 18-11.44 3008.13 is added to read as follows:

Construction documents and permits.

1. Application: The application for a permit shall be accompanied by construction documents in sufficient detail and indicating the location of the machinery room and equipment to be installed, relocated, or altered; and all supporting structural members, including foundations. The construction documents shall indicate all materials to be used and all loads to be supported or conveyed. Documents are to be reviewed and approved before permit is issued.

2. Permits: Equipment or devices subject to the provisions of this code shall not be constructed, installed, relocated, or altered unless a permit has been received from the code official before the work is commenced. A copy of such permit shall be kept at the construction site at all times while work is in process.

Sec. 18-11.45 3008.14 is added to read as follows:

Test and inspections:

1. General: All equipment and devices covered by the provisions of this code shall be subject to acceptance and maintenance tests and periodic inspections as required herein.

2. Acceptance tests: Acceptance tests and inspections shall be required on all new, relocated, and altered equipment subject to the provisions of this chapter. Tests and inspections shall be of such a nature as to determine whether the entire installation is designed, constructed, and installed in compliance with this code, and shall include all parts of the equipment and machinery. In addition, Full Load Tests shall be done on all equipment. All such tests shall be made in compliance with the requirements of Section 3004.5 and in the presence of the code official, or by an approved agency for the code official and by the person installing such equipment.

3. Periodic tests and periodic inspections: Periodic tests shall be required on all new and existing power elevators, and periodic inspections shall be made of all new and existing equipment subject to the provisions of this chapter.

a. Periodic tests: Periodic tests shall be witnessed by the code official, or by an approved agency, and shall be made at the expense and responsibility of the owner. Where such tests are not witnessed by the code official, the approved agency shall submit a detailed report of the tests to the code official on approved forms not more than 30 days after the completion of the tests.

b. Periodic inspections: Periodic inspections shall be witnessed by the code official or by an approved agency. Where such inspections are not witnessed by the code official, the approved agency shall submit a detailed report of the inspection to the code official on approved forms not more than 30 days after completion of the inspection.

c. The frequency of tests and inspections: Test and inspections shall be conducted at intervals of not more than those set forth in ASME A17.1 listed in chapter 35 for elevators, escalators, dumbwaiters, and moving walks.

Sec. 18-11.46 3008.15 is added to read as follows:

Miscellaneous hoisting and elevating equipment: 1. All miscellaneous hoisting on elevating equipment shall be subject to tests and inspections as required by the code official to ensure safe operations. 2. Conveyors and related equipment shall be inspected and tested in accordance with ASME B20.1 listed in chapter 35.

- Sec. 18-11.47 Chapter 35 – Referenced Standards – Changes to ASME A17.1 - The following changes are made to ASME A17.1 by adding the following unless otherwise stated: 1. 2.7.3.1 Access to Machine Rooms and Spaces - General Requirements. A permanent safe, convenient means of access into the elevator machine room and overhead machinery spaces shall be provided for elevator maintenance personnel only. The elevator machine room shall not be used for a through passage to and from other spaces, roofs, electric maintenance, etc. 2. 2.8.2.3.1 Shut-Off Valves in Sprinkler Branch Lines. Shut-off valves with a tamper-proof electrical switch back to the fire alarm panel shall be provided for each branch line for machine room and shaft in an accessible location outside these spaces. 3. 2.10.1 Guarding of Equipment in Machine Rooms and Secondary Machine Spaces. The following shall be guarded to protect against accidental contact: a. Driving machine sheaves and ropes whose vertical projection upon a horizontal plane extends beyond the base of the machine; b. Sheaves; c. Exposed gears, sprockets, tape or rope sheaves or drums of selectors, floor controllers or signal and driving machine guards, and their driving ropes, chains, or tapes; and d. Keys, keyways, and screws in projecting shafts. Hand-winding wheels and flywheels that are not guarded shall have yellow markings. 4. 2.14.7.1.3 Change the first sentence to read as follows: Passenger and freight elevators shall be provided with a standby emergency lighting power source on each elevator conforming to the following. 5. 2.7.3.4(B) All machine room doors to be one and one-half-hour B label self-closing and locking. 6. 3.7 Change the requirements of Section 3.7.1 to read: The requirements of Section 2.7.1.1.1. 7. 3.19.4.1 After supply line shut-off valve, add “with a permanent handle to be attached to valve for shut-off purposes.” 8. Section 5.3 Private Residence 5.3.1.1.4.5 Machine Room: Electric elevator rooms to be: a. A minimum of one-hour fire resistance. b. A minimum 60 inches wide by 24 inches deep. c. A maximum 60 inches wide by 60 inches deep. d. Have head room a minimum 84 inches. e. Have a door to be minimum 36 inches wide by 80 inches self-closing and locking. f. A main line disconnect switch to be fused, heavy duty on the lock side of the door. g. A car light disconnect switch to be fused, general duty on the lock side of the door. h. A room light switch on the lock side of the door. Minimum illumination five-foot candles. i. A room to have a 110-volt GFI duplex outlet below the light switch. j. A minimum five-pound ABC fire extinguisher in the machine room on the lock side of the door. 9. 5.3.1.8.3 Emergency lighting is to be provided in the car per Section 2.14.7.1.3 10. 5.3.2.3.1 Emergency Lighting is to be provided in the Hydraulic Elevator - Machine Room per 5.3.1.1.4.5. 11. 5.3.1.19 Emergency Signal: Emergency signaling device to comply with Section 2.14.7.1.3. 12. 8.10.3.2.2.M Hydraulic working pressure shall be checked by running the elevator with a full load in the car and the pressure verified as per the Data Plate. 13. 5.2.1.27 Emergency Operating and Signaling Service: A telephone to a 24-hour source with voice message, emergency light, and alarm shall be installed on the elevator. 14. 5.2.1.27 Phase I and II Fire Service: Phase I and II fire service with smoke sensor recall shall be provided on the elevator. When the machine room on the shaft is sprinklered, a shunt trip device controlled by a heat sensor shall be installed.
- Sec. 18-11.48 Chapter 35 – Referenced Standards – NFPA Standards shall reference the latest printed edition of any standard.
- Sec. 18-11.49 APPENDIX A - EMPLOYEE QUALIFICATIONS: Add the following to [A} A101.1 – Four years of the building official’s years of experience may be satisfied by having a Bachelor’s degree in architecture

and/or structural engineering, six years of the building official's years of experience may be satisfied by having a Master's degree in architecture and/or structural engineering, and nine years of the building official's experience may be satisfied by having a State of Illinois License as an architect or structural engineer. Additional experience in building construction, construction management or performing the duties of a plan reviewer or building inspector shall qualify as equivalent experience. The building official shall be appointed by the Fire Chief and approved by the Village Manager.

- Sec. 18-11.50 APPENDIX B - BOARD OF APPEALS [A] B101.2 Membership of board: Replace all requirements listed under this section with the Board of Trustees of the Village of Hanover Park. The president of the board shall be the chairperson. The Village Clerk shall be the secretary.
- Sec. 18-11.51 APPENDIX C - GROUP U—AGRICULTURAL BUILDINGS – Appendix C shall only apply to existing structures and uses present at the time of the adoption of this ordinance. Any new building, structure or use shall be reviewed by the building official, found to be compatible with the adjoining uses and recommended to the Development Review Committee, Development Review Commission and Village Board for final approval.
- Sec. 18-11.52 APPENDIX D - FIRE DISTRICTS – Fire Districts have not been established in the Village of Hanover Park as of the adoption of this ordinance. Fire Districts may be designated for new or future development as deemed necessary by the Fire Chief or Building Official.
- Sec. 18-11.53 APPENDIX E - SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS - Replace Appendix E with the current State of Illinois Accessibility Code
- Sec. 18-11.54 APPENDIX F – RODENT PROOFING - Adopt Appendix F,
- Sec. 18-11.55 APPENDIX G - FLOOD-RESISTANT CONSTRUCTION - Adopt those requirements of Appendix G that are more stringent than the requirements of the MWRD or DuPage County Storm Water Management Ordinances
- Sec. 18-11.56 APPENDIX H – SIGNS – Appendix H shall only apply for items not addressed by the Village of Hanover Park sign ordinance and where deemed applicable by the Building Official and approved by the Director of Community Development.
- Sec. 18-11.57 APPENDIX I - PATIO COVERS - Adopt Appendix I with the following amendments: I105.1 Design loads; ground snow load shall be 25 pounds per square foot. I105.2 Footings; the minimum depth of footing shall be 42 inches deep if the patio cover is attached to the main structure.
- Sec. 18-11.58 APPENDIX J – GRADING - Adopted
- Sec. 18-11.59 APPENDIX K - ADMINISTRATIVE PROVISIONS - Appendix K primarily provides the administrative mechanisms for the enforcement of NFPA 70, the National Electrical Code. Adopted
- Sec. 18-11.60 APPENDIX L - EARTHQUAKE RECORDING INSTRUMENTATION – Except for buildings over five stories omit this section.
- Sec. 18-11.61 APPENDIX M - TSUNAMI-GENERATED FLOOD HAZARD – Omitted

Sec. 18-11.62 APPENDIX N - REPLICABLE BUILDINGS – Omitted

ARTICLE III. – RESIDENTIAL CODE

Sec. 18-20 **2018 INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS - IRC**

Sec. 18-20.01 Adopted: The regulations of the 2018 Edition of the International Residential Code, as recommended and published by the International Code Council, Inc., published in pamphlet form, are adopted as the Residential Code of the Village of Hanover Park governing the construction, alteration, movement, enlargement, replacement, repair, equipment, location, removal, and demolition of detached one and two-family dwellings and attached single-family dwellings and accessory structures there with such amendments as are hereafter set forth in this article.

Sec. 18-21 **AMENDMENTS TO THE 2018 INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS - IRC**

Sec. 18-21.01 R101.1 Title. These provisions shall be known as the Residential Code for One and Two-family Dwellings of the Village of Hanover Park, and shall be cited as such and will be referred to herein as “this code.”

Sec. 18-21.02 R105.2. is amended by replacing exempted items with the following: 1. Painting, papering, tiling, carpeting, and similar finish work. 2. Prefabricated swimming pools that are less than 24 inches deep. 3. Swings and other playground equipment. 4. Window awnings supported by an exterior wall that do not project more than 54 inches from the exterior wall and do not require additional support. 5. Listed cord-and-plug connected temporary decorative lighting. 6. Reinstallation of attachment plug receptacles but not the outlets therefor. 7. Replacement of branch circuit overcurrent devices of the required capacity in the same location. 8. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy. 9. Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles. 10. Portable heating, cooking or clothes drying appliances. 11. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe. 12. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid. 13. Portable heating appliances. 14. Portable ventilation appliances. 15. Portable cooling units. 16. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe. 17. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid. 18. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Sec. 18-21.03 R106.1 is amended by adding: Plans for new construction, alterations, or modifications in excess of \$10,000 in value to a building or structure are required to be signed, sealed, and dated by 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.

Sec. 18-21.04 R106.6 is added to read as follows: A copy of approved plans shall be kept on the site of the building

or work at the time of inspection.

- Sec. 18-21.05 R112.1 is amended by deleting this section and inserting: The Village Board shall be the Board of Appeals.
- Sec. 18-21.06 R112.3 is deleted.
- Sec. 18-21.07 R202 is amended by adding to the list of definitions the following: Owner-occupant is a person who has owned and occupied a dwelling for a period of 6 (six) months prior to permit issuance.
- Sec. 18-21.08 Table R301.2(1) is amended to reads as follows:

GROUND SNOW	Speed (mph)	SEISMIC DESIGN	Weatherin g	Frost depth	Termite	Decay	Winter Design Temp
25 psf	3 sec 90 normal 75	A	Severe	42 Inches	Moderate to heavy	Slight to moderate	-4 degrees
Ice Shield Underlay ment Required	Flood Hazard	Air Freezing Index	Mean Annual Temp	Latitude 42.00 N	Winter heating	Summer cooling	
Yes	See floodplain map	2000	50 degrees	Longitude 88.15 W	6340 Degree day	842 Degree day	

Refer to actual table for all notes and subscripts

- Sec. 18-21.09 R.302.6 is amended by adding: Garage separation: The garage shall be separated from the residence and its attic by not less than 5/8-inch type X gypsum board applied to the garage side. Garages under habitable rooms shall be separated by one-hour fire-rated construction. This rating includes the ceiling walls, beams, and columns. All garages in new construction shall be protected by a minimum of one dry pendant side wall head per each 400 sf of garage area. Heads shall be located to provide maximum coverage of the garage space and approved by the code official.
- Sec. 18-21.10 R302.7 is amended to read: 5/8-inch type X gypsum board instead of 1/2-inch gypsum board.
- Sec. 18-21.11 R303.3 is amended by adding: Bathrooms shall have mechanical ventilation exhausted to the exterior using wall louvers or roof caps. Separate compartments in a bathroom or similar room shall be vented separately.
- Sec. 18-21.12 R311.7.11 is added to read: Outside entrance: An outside entrance cannot be the entrance to a basement or story above the grade level story without an interior stairway.
- Sec. 18-21.13 R313.1 – modify exception to read: Exception: An automatic residential fire sprinkler system shall not be required where additions or alterations are made to existing townhouses that do not have an

automatic residential fire sprinkler system installed and when the area of the addition and/or alteration does not exceed fifty percent of the existing habitable area of the building.

- Sec. 18-21.14 R313.1.1 – Add: All garages in new construction shall be protected by a minimum of one dry pendant side wall head per each 400 sf of garage area. Heads shall be located to provide the maximum coverage of the garage space and as approved by the code official.
- Sec. 18-21.15 R313.2 – modify exception to read: Exception: An automatic residential fire sprinkler system shall not be required where additions or alterations are made to existing one and two-family dwellings that do not have an automatic residential fire sprinkler system installed and when the area of the addition and/or alteration does not exceed fifty percent of the existing habitable area of the building.
- Sec. 18-21.16 R313.2.1 – Add: All garages in new construction shall be protected by a minimum of one dry pendant side wall head per each 400 sf of garage area. Heads shall be located to provide the maximum coverage of the garage space and as approved by the code official.
- Sec. 18-21.17 Section R314 – Smoke Alarms and Section R315 – Carbon Monoxide Alarms are amended to by adding the following: Compliance with these sections of the code shall be required for existing structures whenever a permit is issued for interior remodeling, interior electrical work or whenever a dwelling unit has been vacant for over 120 days.
- Sec. 18-21.18 R402.1 is amended to read as follows: Wood foundations or footings are not allowed in the Village of Hanover Park. This also eliminates all other sections, subsections, tables, or charts which reference the use of wood footings or foundations.
- Sec. 18-21.19 R402.4 – Masonry – Masonry foundations and footings are not permitted except for retaining wall when approved by the building official. Foundations for buildings and structures shall be cast in place concrete or precast concrete as approved by the code official. Exterior wall foundations shall extend to 42 inches below adjoining grade.
- Sec. 18-21.20 R403.1 GENERAL shall be revised to read as follows: All exterior walls shall be supported on continuous solid concrete footings and foundations, or other approved structural systems that shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill. Concrete footings shall be designed and constructed in accordance with the provisions of Section R403 or in accordance with ACI 332.
- Sec. 18-21.21 R403.1.3.2 - Masonry stem walls with concrete footings is omitted.
- Sec. 18-21.22 FIGURE R403.1 (1) - PLAIN CONCRETE FOOTINGS WITH MASONRY AND CONCRETE STEM WALLS - Masonry stem walls with concrete footings is omitted.
- Sec. 18-21.23 FIGURE R403.1 (2) PERMANENT WOOD FOUNDATION BASEMENT WALL SECTION is omitted.
- Sec. 18-21.24 FIGURE R403.1 (3) PERMANENT WOOD FOUNDATION CRAWL SPACE SECTION is omitted.
- Sec. 18-21.25 FIGURE R403.1.3 - REINFORCED CONCRETE FOOTINGS AND MASONRY AND CONCRETE STEM WALLS IN SDC D0, D1 AND D2 – Table is Not Applicable

- Sec. 18-21.26 R403.2 Footings for wood foundations shall be omitted.
- Sec. 18-21.27 R403.3 Frost-protected shallow foundations. Delete this section. Frost protection shall require that footings be 42 inches deep.
- Sec. 18-21.28 FIGURE R403.3 (1) - INSULATION PLACEMENT FOR FROST-PROTECTED FOOTINGS IN HEATED BUILDINGS. 42-inch-deep footings are required.
- Sec. 18-21.29 TABLE R403.3 (1) - MINIMUM FOOTING DEPTH AND INSULATION REQUIREMENTS FOR FROST-PROTECTED FOOTINGS IN HEATED BUILDINGS - 42-inch-deep footings are required.
- Sec. 18-21.30 FIGURE R403.3 (3) - INSULATION PLACEMENT FOR FROST-PROTECTED FOOTINGS ADJACENT TO UNHEATED SLAB-ON-GROUND STRUCTURE - 42-inch-deep footings are required.
- Sec. 18-21.31 FIGURE R403.3 (4) - INSULATION PLACEMENT FOR FROST-PROTECTED FOOTINGS ADJACENT TO HEATED STRUCTURE - 42-inch-deep footings are required.
- Sec. 18-21.32 TABLE R403. - MINIMUM DEPTH (D) AND WIDTH (W) OF CRUSHED STONE FOOTINGS - 42-inch-deep footings are required.
- Sec. 18-21.33 TABLE R404.1.1 (1) - PLAIN MASONRY FOUNDATION are not allowed.
- Sec. 18-21.34 TABLE R404.1.1 (2) - 8-INCH MASONRY FOUNDATION are not allowed.
- Sec. 18-21.35 TABLE R404.1.1 (3) - 10-INCH MASONRY FOUNDATION are not allowed.
- Sec. 18-21.36 TABLE R404.1.1 (4) - 12-INCH MASONRY FOUNDATION WALLS are not allowed.
- Sec. 18-21.37 TABLE R404.1.2 (1) - MINIMUM HORIZONTAL REINFORCEMENT FOR CONCRETE BASEMENT WALLS shall be revised as follows.

MAXIMUM UNSUPPORTED HEIGHT OF BASEMENT WALL	LOCATION OF HORIZONTAL REINFORCEMENT
< OR = 8 feet high	Two No. 5 rebar within 12 inches of the top and bottom of the wall story
> 8 feet high	Two No. 5 rebar within 12 inches of the top and bottom of the wall story

- Sec. 18-21.38 TABLE R404.1.2 (2) - MINIMUM VERTICAL REINFORCEMENT FOR 6-INCH NOMINAL FLAT CONCRETE BASEMENT WALLS are not allowed. Cast in place foundation wall shall be a minimum of 8 inches thick
- Sec. 18-21.39 TABLE R404.1.2 (5) - MINIMUM VERTICAL WALL REINFORCEMENT FOR 6-INCH WAFFLE-GRID BASEMENT WALLS is omitted.
- Sec. 18-21.40 TABLE R404.1.2 (6) - MINIMUM VERTICAL REINFORCEMENT FOR 8-INCH WAFFLE-GRID BASEMENT WALLS is omitted.

- Sec. 18-21.41 TABLE R404.1.2 (7) - MINIMUM VERTICAL REINFORCEMENT FOR 6-INCH (152 mm) SCREEN-GRID BASEMENT WALLS is omitted.
- Sec. 18-21.42 R404.1.5.1 Masonry wall thickness. Masonry foundation walls are not allowed.
- Sec. 18-21.43 FIGURE R404.1.5 (1) - FOUNDATION WALL CLAY MASONRY CURTAIN WALL WITH CONCRETE MASONRY PIERS. Masonry foundation walls are not allowed.
- Sec. 18-21.44 These sections are omitted: R404.1.7, R404.1.8, R404.1.9, R404.2, TABLE R404.2.3, R405.2, R406.3
- Sec. 18-21.45 R502.1.2 Prefabricated wood I-joists. When used as floor joists, all I-joists shall be factory coated to resist fire or all exposed surfaces shall be covered with 5/8-inch type X gypsum board.
- Sec. 18-21.46 R503.1 Lumber sheathing. The minimum approved floor sheathing shall be 3/4-inch cdx plywood. Other materials may be used when approved by the code official. The minimum approved roof sheathing shall be 1/2-inch cdx plywood. Other materials may be used when approved by the code official.
- Sec. 18-21.47 R504 - PRESSURE PRESERVATIVE TREATED WOOD FLOORS (ON GROUND) are not allowed.
- Sec. 18-21.48 R602.3 Design and construction. The minimum sheathing for exterior walls shall be 1/2 "cdx plywood or OSB. Install to lap plates and ends of wall studs. Provide a positive path of attachment from roof to foundation.
- Sec. 18-21.49 R602.3.2 Top plate. A double top plate is required at all bearing walls.
- Sec. 18-21.50 R801.4 is added to read as follows: Discharge Pipe: Where roof drainage is installed, the discharge pipe or elbow shall not be directed unreasonably towards adjoining private property.
- Sec. 18-21.51 R802.11 Roof tie-down. In addition to the requirements of table R602.3(1), hurricane ties shall be installed at no more than 48 inches on center for structures up to 28 feet wide and at each rafter for structures that are wider than 28 feet. Hurricane ties shall be installed so that they lap the structural sheathing. Structural sheathing shall lap all plates and extend on to adjoining studs at least 8 inches.
- Sec. 18-21.52 R803.2 Wood structural panel sheathing. The minimum roof panel sheathing shall be 1/2-inch cdx plywood or 5/8-inch exterior grade OSB for framing spaced 16 inches or 24 inches on center.
- Sec. 18-21.53 R806.2 Minimum vent area. Exception: 1, include zone 5 which includes Hanover Park.
- Sec. 18-21.54 R905.1.2 Ice barriers. In addition, ice barriers shall be installed in all valleys, around all skylights and all penetrations.
- Sec. 18-21.55 1008.3.3 is amended to read as follows: [BE] 1008.3.3 Rooms and spaces. In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following areas: 1. Electrical equipment rooms. 2. Fire command centers. 3. Fire pump rooms. 4. Generator rooms. 5. Public restrooms. 6. All rooms containing the building fire sprinkler riser(s), fire pump(s) and fire alarm control panel(s).
- Sec. 18-21.56 CHAPTER 11 [RE] ENERGY EFFICIENCY. This chapter shall be compared to the International Energy Conservation Code (IECC) that has been adopted by the State of Illinois and the more

conservative code section shall be applied as documented by the applicant and approved by the code official.

- Sec. 18-21.57 M1503.3 Exhaust discharge. The Exception is deleted. All exhaust fans shall be discharge to the outdoors through an approved duct.
- Sec. 18-21.58 M1601.1.1 Above-ground duct systems item 7 is amended to read as follows: Stud wall cavities and the spaces between solid floor joists shall not be used as air plenums. Only duct work is permitted.
- Sec. 18-21.59 Section M1601.1.1. is amended by adding Item number 9 as follows: 9. No other system including but not limited to communication, electric, gas, or plumbing may be located in the mechanical ducts.
- Sec. 18-21.60 M1602.2 Return air openings. Item 8 is added to read as follows: 8. Separate return air ducts shall be provided for all habitable spaces and each room excluding bathrooms and kitchens.
- Sec. 18-21.61 M1603 is added to read as follows: Combustion air shall be provided by means of a mechanical opening to the exterior or a structural opening(s) if supplied from air inside the building. Openings must be located within 12" (twelve) inches of the ceiling and floor of the enclosure. Louvered doors are prohibited for the purpose of providing combustion air.
- Sec. 18-21.62 M1604 is added to read as follows: Whenever a supply, return or non-cooking exhaust pipe penetrates the ceiling or wall between the living space and an attic or crawl space one of the following shall be installed: 1. A radiant damper actuated by a spring mechanism rated at 135 degrees installed from the inside face of the framing into the attic or crawl space and that has been insulated with minimum R-8 duct insulation. 2. 12 inches of minimum 26-gauge steel duct extending from the inside face of the framing into the attic or crawl space and that has been insulated with minimum R-8 duct insulation. 3. A minimum 26-guage register boot with and attached minimum 26-guage steel elbow extending from the inside face of the framing into the attic or crawl space and that has been insulated with minimum R-8 duct insulation.
- Sec. 18-21.63 Part VII—Plumbing, CHAPTERS 25, 26, 27, 28, 29, 30, 31, and 32 shall apply per the direction of the code official or plumbing inspector for items not covered or addressed by the currently adopted State of Illinois Plumbing Code as amended by the Village of Hanover Park. See village ordinance section 18-55 and 18-56 for amendments to the Illinois Plumbing Code. P2603.51 shall read: Sewer depth. Building sewers that connect to private sewage disposal systems shall be not less than 42 inches below finished grade at the point of septic tank connection. Building sewers shall be not less than 42 inches below grade. P2903 – Potable water supply piping shall be run in type "L" or type "K" copper pipe. P2904, Fire Sprinkler Systems shall be separated by a double-detector-check valve and run in black iron pipe or orange CPVC. P3002, all waste and vent piping shall be schedule 40 PVC unless otherwise approved by the code official or plumbing inspector.
- Sec. 18-21.64 P2904.1.1 – Exception #4 shall read as follows: exterior porches; unheated entry areas, such as mud rooms, that are adjacent to an exterior door; and similar areas. Attached garages and attached carports shall require one side wall frost proof or dry pendant sprinkler head per each area that can park up to two vehicles. The head shall be located to provide optimum coverage of the parking area.
- Sec. 18-21.65 E3605.5 Protection of all other service cables. Shall read as follows: Above ground service-entrance cables, where subject to physical damage, shall be protected by one or more of the following:

rigid metal conduit, intermediate metal conduit only. All work shall comply with the requirements of

ComEd's current Residential Electric Service Installation booklet.

- Sec. 18-21.66 E3607.7 is added as follows: Grounding bushings are required on all concentric and eccentric knockouts used in the meter socket and breaker panel, with a bonding jumper sized appropriately. Service entrance connectors: The use of no-thread connectors on the line side of the service or main breaker is not allowed.
- Sec. 18-21.67 E3703.8 is added to read as follows: Dedicated circuits: All dedicated circuits shall be wired to a single duplex receptacle outlet, for appliances and single receptacle outlets for sump pump or ejector pump unless protected by a GFI outlet or breaker.
- Sec. 18-21.68 Table E3705.1 is amended by noting that: The use of aluminum wire or copper clad aluminum wire for a conductor is not allowed except by Commonwealth Edison.
- Sec. 18-21.69 E3803.12 is added to read as follows: Prohibited materials: The use of plastic pipe and electric boxes is not allowed above grade. Plastic pipe, which is listed for below grade, can be used. It shall have a ground conductor installed, and it shall transition to a rigid metal pipe before the elbow, which turns up. The use of PVC pipe shall only be used in corrosive environments when approved by the code official.
- Sec. 18-21.70 E3904.8 is added to read as follows: All wiring shall be installed in conduit (EMT, IMC conduit or rigid pipe). The use of plastic pipe or other nonmetallic wiring systems is not allowed except when buried 18 inches or greater or as otherwise approved by the code official.
- Sec. 18-21.71 E3905.6.2 is amended by adding the following: All ceiling boxes to be fan rated except hallways and closets or when otherwise approved by the code official. See section E3905.8.
- Sec. 18-21.72 APPENDIX A - SIZING AND CAPACITIES OF GAS PIPING - Adopted
- Sec. 18-21.73 APPENDIX B - SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES AND APPLIANCES LISTED FOR USE WITH TYPE B VENTS - Adopted
- Sec. 18-21.74 APPENDIX C - EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS, Adopted
- Sec. 18-21.75 APPENDIX D - RECOMMENDED PROCEDURE FOR SAFETY INSPECTION OF AN EXISTING APPLIANCE INSTALLATION - Adopted
- Sec. 18-21.76 APPENDIX E - MANUFACTURED HOUSING USED AS DWELLINGS – Not Adopted - MANUFACTURED HOUSING USED AS are not allowed unless specifically approved by the Village Board. As defined under appendix E, a MANUFACTURED HOME. A structure transportable in one or more sections that, in the traveling mode, is 8 body feet (2438 body mm) or more in width or 40 body feet or more in length or, where erected on site, is 320 or more square feet (30 m2), and is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, ... When approved by the Code Official a structure built of components or modules, transported to the site on a separate vehicle or trailer and installed on a permanent foundation shall not be considered a Manufactured Home.
- Sec. 18-21.77 APPENDIX F - RADON CONTROL METHODS - Adopted

- Sec. 18-21.78 APPENDIX G - PIPING STANDARDS FOR VARIOUS APPLICATIONS – The code official may refer to this table for applications not addressed by the State of Illinois Plumbing Code as amended by the Village of Hanover Park. The listed materials may be used when approved by the Code Official.
- Sec. 18-21.79 APPENDIX H - PATIO COVERS - Adopted
- Sec. 18-21.80 APPENDIX I - PRIVATE SEWAGE DISPOSAL – New private sewerage disposal systems are not permitted. The Code Official may refer to the International Private Sewage Disposal Code for repairs or maintenance to existing systems.
- Sec. 18-21.81 APPENDIX J - EXISTING BUILDINGS AND STRUCTURES - Adopted
- Sec. 18-21.82 APPENDIX K - SOUND TRANSMISSION - Adopted
- Sec. 18-21.83 APPENDIX L - PERMIT FEES - Not adopted. Refer to the Village of Hanover Park Municipal Ordinance for fees.
- Sec. 18-21.84 APPENDIX M - HOME DAY CARE—R-3 OCCUPANCY – Adopted except when portions of this code are less stringent than the requirements of agencies of Federal Law, the State of Illinois and depending on location, agencies of Cook County or DuPage County.
- Sec. 18-21.85 APPENDIX N - VENTING METHODS - The code official may refer to this section for applications not addressed by the State of Illinois Plumbing Code as amended by the Village of Hanover Park. The depicted diagrams may be used when approved by the Code Official.
- Sec. 18-21.86 APPENDIX O - AUTOMATIC VEHICULAR GATES - Adopted
- Sec. 18-21.87 APPENDIX P - SIZING OF WATER PIPING SYSTEM - The code official may refer to this section for applications not addressed by the State of Illinois Plumbing Code as amended by the Village of Hanover Park. The depicted diagrams may be used when approved by the Code Official.
- Sec. 18-21.88 APPENDIX Q - TINY HOUSES – Not Adopted and not allowed - TINY HOUSES or Trailer Homes are not allowed unless specifically approved by the Village Board. As defined under appendix Q, a MANUFACTURED HOME. A structure transportable in one or more sections that, in the traveling mode, is 8 body feet (2438 body mm) or more in width or 40 body feet or more in length or, where erected on site, is 320 or more square feet (30 m2), and is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, ... When approved by the Code Official a structure built of components or modules, transported to the site on a separate vehicle or trailer and installed on a permanent foundation shall not be considered a Manufactured Home.
- Sec. 18-21.89 APPENDIX R - LIGHT STRAW-CLAY CONSTRUCTION – Not Adopted and not allowed.
- Sec. 18-21.90 APPENDIX S - STRAWBALE CONSTRUCTION – Not Adopted and not allowed.
- Sec. 18-21.91 APPENDIX T [RE] - SOLAR-READY PROVISIONS—DETACHED ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES - Adopted

ARTICLE IV. – FIRE CODE

Sec. 18-30	2018 INTERNATIONAL FIRE CODE - IFC
Sec. 18-30.1	Adopted - The regulations of the 2018 Edition of the International Fire code , as recommended and published by the International Code Council, Inc., published in pamphlet form, are adopted as the Fire Code of the Village regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling , and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises with such amendments as are hereafter set forth in this Article.
Sec. 18-31	AMENDMENTS TO THE 2018 INTERNATIONAL FIRE CODE - IFC
Sec. 18-31.01	[A] 101.1 is amended to read as follows: Title. These regulations shall be known as the Fire Code of the Village of Hanover Park, hereafter referred to as “this code.”
Sec. 18-31.02	[A] 105.4.2.1 is amended by adding the following: For each hydraulically calculated automatic fire sprinkler system area identified on submitted shop drawings provide a copy of the hydraulic nameplate.
Sec. 18-31.03	SECTION 109 - BOARD OF APPEALS - Is amended by deleting this section and inserting: The Village Board shall be the Board of Appeals.
Sec. 18-31.04	[A] 110.4 is amended to read as follows: Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair, or do work in violation of the approved construction documents or directive of the fire code official, shall be punished by a fine of not less than \$100 nor more than \$1000. Each day that a violation continues after due notice has been served shall deem a separate violation.
Sec. 18-31.05	[A] 112.4 is amended to read as follows: Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$100 or more than \$1,000.
Sec. 18-31.06	202, General Definitions, the first sentence of the definition of Fire Area, is amended as follows: [BF] Fire Area. The aggregate floor area bounded by the exterior walls of a building, regardless of fire walls, fire barriers, or fire resistance-rated horizontal assemblies.
Sec. 18-31.07	507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 300 feet (122 m) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official. Exceptions: 1. For Group R-3 and Group U occupancies, the distance requirement shall be 600 feet (183 m). 2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 600 feet (183 m).
Sec. 18-31.08	901.4.1.1 is added as follows: Fire sprinklers and fire detectors-ceilings; In buildings protected by automatic fire sprinklers or automatic fire detectors, suspended or removable ceiling tiles shall be maintained in place to prevent the delay in fire sprinkler or fire detector activation. Exception: When additional fire sprinklers or fire detectors are installed in the space above the suspended ceiling.

- Sec. 18-31.09 903.2 is amended to read as follows: All buildings of all use groups, other than one-and-two-family dwellings, greater than 2,500 square feet shall be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13. All spec warehouse buildings (Use Groups S and F) with a ceiling height 25 feet or greater shall be protected with an ESFR fire sprinkler system or hydraulically-calculated system for Class IV commodities with rack storage calculated to the greatest storage height. All automatic fire sprinkler systems shall be electronically supervised by an approved fire alarm system. Any addition to an existing building that does not have a fire sprinkler system that would increase the total area of the building to over 2,500 square feet or to an existing building that does not have a fire sprinkler system and is currently over 2,500 square feet shall require the existing building and addition be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13.
- Sec. 18-31.10 Sections 903.2.1 through 903.2.10, fire sprinklers are required in all locations without regard to square foot area.
- Sec. 18-31.11 903.3.1.1. (4) is amended to read: Rooms or areas that are of noncombustible construction with wholly noncombustible contents when approved by the code official.
- Sec. 18-31.12 903.3.5 Water supplies is added as follows: Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section, The State of Illinois Plumbing Code and the International Plumbing Code for items not addressed by the Illinois Plumbing Code. For connections to public waterworks systems, the water supply test used for design of fire protection systems shall be adjusted to account for seasonal and daily pressure fluctuations based on information from the water supply authority and as approved by the fire code official.
- Sec. 18-31.13 903.3.8 is added to read as follows: A minimum safety factor of 10% or 5 psi shall be provided in any automatic fire sprinkler system hydraulic calculation. The system demand shall be a minimum of 5 psi below the seasonal low water flow test supply.
- Sec. 18-31.14 903.4.1 is amended to read as follows: Monitoring: Alarm, supervisory, and trouble signals shall be distinctly different and automatically transmitted to the Fire Department's communication center. DuComm is the Communication Center for the Village of Hanover Park. All new required alarm systems shall, transmit trouble, supervisory, and fire signals directly to the Fire Department's communication center via a wireless transmitter compatible with the DuComm system in accordance with NFPA 72. Only equipment certified and approved by the remote receiving station, and/or its designated proprietor may be installed. The designated proprietary agent shall be the only authorized installer of the approved radio transmitter. Existing systems shall be changed to wireless upon alarm owner's request, when the existing equipment is updated, or where a disconnection of the telephone lines has occurred for a period of more than 30 days. Exception: Supervisory service is not required for: 1. Single-and-multiple-station smoke alarms required by Section 907.2.10; 2. Smoke detectors in Group I-3 occupancies; 3. Automatic sprinkler systems in one-and-two-family dwellings.
- Sec. 18-31.15 903.4.2.1 is added to read as follows: Exterior appliances; A clear 75 cd, weather-proof strobe light shall be provided above the fire department connection. The strobe light shall be supervised by the fire alarm system and shall only operate upon the water flow activation.

- Sec. 18-31.16 903.4.2.2 is added to read as follows: Audible appliances; A 10-inch 120v DC alarm bell shall be provided above the fire department connection.
- Sec. 18-31.17 903.4.2.3 is added to read as follows: Interior appliances; Interior audible and visible alarms supervised by a fire alarm system shall be provided in accordance with Section 907.5.1 through 907.5.2.3.4. Audible and visible alarm indicating devices shall be seen and heard in all areas of the building.
- Sec. 18-31.18 903.4.2.4 is added to read as follows: Automatic fire sprinkler system inspector test valves shall be accessible at all times and located no more than six feet above the finished floor. On multiple riser systems the test valves shall be marked to indicate which riser and area it tests.
- Sec. 18-31.19 903.4.3 is amended to read as follows: Floor control valves; Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor in all buildings. Indicating control valves and water flow switches shall be provided at the point of connection to the riser on each floor in multiple story occupancies.
- Sec. 18-31.21 903.4.4 is added to read as follows: Zoned areas. When single zone of an automatic fire sprinkler system protects more than a single room or area, the fire code official may require additional smoke detectors in order to more rapidly identify the location of the smoke or fire.
- Sec. 18-31.22 903.7 is added to read as follows: Hydraulic design; A copy of the hydraulic nameplate shall be provided on each drawing for all hydraulically-calculated areas.
- Sec. 18-31.23 903.8 is added to read as follows: Fire Pump Room. All automatic fire sprinkler system pump rooms shall be provided a one-hour separation. An outside access door shall be provided for all automatic fire sprinkler system pump rooms. The door shall be labeled "Fire Sprinkler Pump Room" in minimum 4-inch contrasting letters.
- Sec. 18-31.24 905.3.9 is added to read as follows: In all warehouse storage areas exceeding 30,000 square feet, and where storage exceeds 12 feet high, provide inside 2 ½ inch fire hose valves with 1 ½ inch reducer to a 1 ½ inch connection. Locate the valves at each door entrance to the warehouse and/or storage area. Provide additional 2 ½ inch fire hose valves so that no portion of the warehouse and/or storage area is more than 120 feet maximum travel distance to a fire hose valve. Show the location of all obstructions and/ or racks on the drawing. The fire hose valves system piping shall be: a. A separate riser piping system. b. The 2 ½ inch valves shall be supplied by a minimum of 4-inch piping with 2½ inch drops to each valve. c. Where system pressures exceed 100 psi provide reducing pressure field adjustable type valves.
- Sec. 18-31.25 907.1.4 is added to read as follows: All fire alarms shall be of the addressable type and shall be installed in accordance with NFPA 72. Sections 907.1.4 and 907.1.5, as amended, in Sections 18-11.32 and 18-11.33 of Chapter 18 of the Municipal Code of the Village of Hanover Park, as amended, shall also be adhered to and made part of this Fire Code.
- Sec. 18-31.26 907.2.24 is added to read as follows: Where required – new buildings and structures or existing building and structures that have been vacant for more than one year. A fire alarm system utilizing automatic fire detectors and manual fire alarm devices shall be provided throughout all buildings not provided with an automatic sprinkler system complying with NFPA 13 or NFPA 13R. The exceptions in the following sections are deleted: 907.2.1, 907.2.2, 907.2.3(3), 907.2.4, 907.2.7(1), 907.2.8.1(2),

907.2.9.1(2), 907.2.10.1(2).

- Sec. 18-31.27 907.4.2.5 is amended to read as follows: Protective Covers. Listed manual fire alarm box protective covers shall be provided for all installed manual fire alarm boxes to prevent malicious false alarms or to provide the manual fire alarm box with protection from physical damage.
- Sec. 18-31.28 907.5 is amended to read as follows: Occupant notification systems. A fire alarm system shall annunciate at the fire alarm control unit and shall initiate occupant notification upon activation, in accordance with sections 907.5.1 through 907.5.2.3.4. The activation of any of the following devices shall result in occupant notification: 1. Automatic fire detectors. 2. Automatic fire sprinkler system water-flow devices. 3. Manual fire alarm boxes. 4. Automatic fire extinguishing systems when installed in buildings or structures that are provided with occupant notification.
- Sec. 18-31.29 907.5.2.3.4 is added to read as follows: Multi-tenant Group M. Single story, multi-tenant Group M buildings shall be “ring by tenant” when activated by the automatic fire detection system and shall include a weatherproof, clear outside strobe over the entrance to each tenant space as directed by the fire code official. All outside strobes shall be 75 cd.
- Sec. 18-31.30 907.5.2.3.5 is added to read as follows: Multi-tenant Group M Single story, multi-tenant Group M buildings shall be “ring by tenant” when activated by the automatic fire detection system and shall include a weatherproof, clear outside strobe over the entrance to each tenant space as directed by the code official. All outside strobes shall be 75 cd.
- Sec. 18-31.31 912.1.1 is added to read as follows: All fire department connections shall be a 4-inch Storz connection with a 30 degree down-turn.
- Sec. 18-31.32 913.4.2 is added to read as follows: Fire sprinkler system – Fire Pump test header. a. Provide OS&Y control valve on all fire pump test headers. b. Provide an outside test header on fire pump installations.
- Sec. 18-31.33 1008.3.3 is amended to read as follows: [BE] 1008.3.3 Rooms and spaces. In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following areas: 1. Electrical equipment rooms. 2. Fire command centers. 3. Fire pump rooms. 4. Generator rooms. 5. Public restrooms. 6. All rooms containing the building fire sprinkler riser(s), fire pump(s) and fire alarm control panel(s).
- Sec. 18-31.34 1103.5.3 Group I-2, Condition 2. In addition to the requirements of Section 1103.5.2, existing buildings of Group I-2, Condition 2 occupancy shall be equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. The automatic sprinkler system shall be installed in all buildings over 2,500 square feet in area and in all Group I-2 uses. For the purposes of this section, a building is defined as the aggregate floor area bounded by the exterior walls regardless of fire walls, fire barriers, or fire resistance-rated horizontal assemblies. Any addition to an existing building that does not have a fire sprinkler system that would increase the total area of the building to over 2,500 square feet or to an existing building that does not have a fire sprinkler system and is currently over 2,500 square feet shall require the existing building and addition be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13.
- Sec. 18-31.35 5504.3.1.1.3 is amended to read as follows: Location. Containers of cryogenic fluids shall not be located within diked areas containing other hazardous materials. Storage of flammable cryogenic

fluids in stationary containers outside of buildings is prohibited within all zoning classifications except by permit.

- Sec. 18-31.36 5704.2.9.6.1 is amended to read as follows: Locations where above-ground tanks are prohibited; Storage of Class I and Class II liquids in above-ground tanks outside of buildings is prohibited within all zoning classifications except by permit.
- Sec. 18-31.37 5706.2.4.4 Locations where above-ground tanks are prohibited within all zoning classifications except by permit issued by the Village of Hanover Park.
- Sec. 18-31.38 5806.2 Limitations. Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited within all zoning classifications except by permit issued by the Village of Hanover Park.
- Sec. 18-31.39 6104.2 is amended to read as follows: Maximum capacity within established limits. Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7,570 L.). Such storage is prohibited within all zoning classifications except by operational permit issued by the Village of Hanover Park. Exception: In particular installations, this capacity limit shall be determined by the Fire Code Official, after consideration of special features such as topographical conditions, nature of occupancy, and proximity to buildings, capacity of proposed containers, degree of fire protection to be provided and capabilities of the fire department.
- Sec. 18-31.40 APPENDIX A - BOARD OF APPEALS – The Village Board of the Village of Hanover Park shall be the Board of Appeals. Sections A101.2, A101.3, A101.4, A101.5, and A101.7 shall be omitted.
- Sec. 18-31.41 APPENDIX B - FIRE-FLOW REQUIREMENTS FOR BUILDINGS is adopted.
- Sec. 18-31.42 APPENDIX C - FIRE HYDRANT LOCATIONS AND DISTRIBUTION is adopted with this amendment: C103.3 Maximum spacing: The maximum average spacing between hydrants shall be limited to 300 feet unless otherwise approved by the Fire Chief.
- Sec. 18-31.43 APPENDIX D - FIRE APPARATUS ACCESS ROADS is adopted with this amendment: The diameter of a cul-de-sac shall be 120 feet.
- Sec. 18-31.44 APPENDIX D - FIRE APPARATUS ACCESS ROADS - This appendix is for information purposes.
- Sec. 18-31.45 APPENDIX F - HAZARD RANKING is adopted.
- Sec. 18-31.46 APPENDIX G - CRYOGENIC FLUIDS—WEIGHT AND VOLUME EQUIVALENTS - This appendix is for information purposes.
- Sec. 18-31.47 APPENDIX H - HAZARDOUS MATERIALS MANAGEMENT PLAN (HMMP) AND HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) INSTRUCTIONS is adopted.
- Sec. 18-31.48 APPENDIX I - FIRE PROTECTION SYSTEMS—NONCOMPLIANT CONDITIONS is adopted.
- Sec. 18-31.49 APPENDIX J - BUILDING INFORMATION SIGN is adopted.
- Sec. 18-31.50 APPENDIX K - CONSTRUCTION REQUIREMENTS FOR EXISTING AMBULATORY CARE FACILITIES is adopted. K102.3 Automatic sprinkler system. An automatic sprinkler system shall be

provided.

Sec. 18-31.51 APPENDIX L - REQUIREMENTS FOR FIRE FIGHTER AIR REPLENISHMENT SYSTEMS is adopted.

Sec. 18-31.52 APPENDIX M - HIGH-RISE BUILDINGS—RETROACTIVE AUTOMATIC SPRINKLER REQUIREMENT is adopted and shall apply to all buildings over 2 stories.

Sec. 18-31.53 APPENDIX N - INDOOR TRADE SHOWS AND EXHIBITIONS is adopted.

ARTICLE V. – ENEGERY CONSERVATION CODE

Sec. 18-40 **2018 INTERNATIONAL ENERGY CONSERVATION CODE - IECC**

Sec. 18-40.1 Adopted: The International Energy Conservation Code, 2018 edition, as published by the International Code Council, published in pamphlet form, be and is hereby adopted as the Energy Conservation Code of the Village of Hanover Park for regulating and governing energy efficient building envelopes and installation of energy efficient mechanical, lighting, and powers systems as herein provided with such amendments as are hereinafter set forth in this Article. Any portion of the International Energy Conservation Code that has been a

Adopted by the State of Illinois that is more stringent than the 2018 edition shall apply.

Sec. 18-41 **AMENDMENTS TO THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE - IECC**

Sec. 18-41.01 C101.1 Title. This code shall be known as the Energy Conservation Code of the Village of Hanover Park, and shall be cited as such. It is referred to herein as “this code.”

Sec. 18-41.02 C108.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.

Sec. 18-41.03 C109.1 General. The Village Board shall be the Board of Appeals.

Sec. 18-41.04 C109.3 Qualifications is omitted.

Sec. 18-41.05 R101.1 Title. This code shall be known as the Energy Conservation Code of the Village of Hanover Park and shall be cited as such. It is referred to herein as “this code.”

Sec. 18-41.06 R108.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.

Sec. 18-41.07 R109.1 General. The Village Board shall be the Board of Appeals.

Sec. 18-41.08 R109.3 Qualifications is omitted.

Sec. 18-41.09 APPENDIX RA - SOLAR-READY PROVISIONS—DETACHED ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES is adopted.

Sec. 18-45 **THE INTERNATIONAL ENERGY CONSERVATION CODE AS CURRENTLY ADOPTED BY THE STATE OF ILLINOIS**

Sec. 18-46 Refer to amendments adopted by the State of Illinois. Portions of the 2018 IECC that are more stringent than the code adopted by the State of Illinois shall apply as mandated by the Village of Hanover Park Code Official.

ARTICLE VI. – PLUMBING CODE

Sec. 18-50 **2018 INTERNATIONAL PLUMBING CODE – IPC**

Sec. 18-50.1 2018 International Plumbing Code – IPC – Is adopted for all plumbing or similar work not covered by the Illinois Plumbing Code. 06-01-2019

Sec. 18-51 **AMENDMENTS TO THE 2018 INTERNATIONAL PLUMBING CODE – IPC**

Sec. 18-51.01 [A] 101.1 Title. These regulations shall be known as the Plumbing Code of the Village of Hanover Park hereinafter referred to as “this code” for plumbing systems not covered by the currently adopted State of Illinois Plumbing Code as amended by the Village of Hanover Park or the currently adopted International Residential Code as amended by the Village of Hanover Park for one- and two-family dwellings.

Sec. 18-51.02 [A] 106.6.2 Fee schedule. The fees for all plumbing work shall be as indicated in the fee schedule under section 18-200.

Sec. 18-51.03 [A] Section 106.6.3 is amended to read as follows: The code official may authorize the refunding of fees as allowed by ordinance.

Sec. 18-51.04 [A] 108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.

Sec. 18-51.05 [A] 108.5 is amended to read as follows: Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping work. Any person who shall continue any work on the system after having been served a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.

Sec. 18-51.06 305.4.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be installed not less than 42 inches (mm) below finished grade at the point of septic tank connection.

Building sewers shall be installed not less than 42 inches (mm) below grade.

- Sec. 18-51.07 903.1 Roof extension. Open vent pipes that extend through a roof shall be terminated not less than 12 inches above the roof. Where a roof is to be used for assembly or as a promenade, observation deck, sunbathing deck or similar purposes, open vent pipes shall terminate not less than 7 feet above the roof.

Sec. 18-52 **GENERAL REGULATIONS FOR HANOVER PARK – PLUMBING AND SANITARY CODE**

Article I. – IN GENERAL

- Sec. 18-52.01 This chapter shall be known as the "Plumbing and Sanitary Code of Hanover Park" and may be so cited.

- Sec. 18-52.02 Purpose. It is the purpose of this chapter to eliminate work encompassed herein which is dangerous to human life or safety or detrimental to health; to provide for buildings, structures and premises that are adequately and safely piped, vented, in a sewer, drained and cleaned in reference to actual or intended use; and to render the air, human food, drink and water supply wholesome.

- Sec. 18-52.03 Definitions: The following words and phrases, when used in this chapter, shall have the meanings indicated below:

Building official: The executive official in charge of the department of public buildings and building inspections shall be known as the building official.

Health department: The department of health of the village.

Licensed plumber: A person who has a certificate of registration in effect, issued by either the department of registration and education of the state or the City of Chicago.

Registered gas appliance installer: An individual, firm, partnership, association or corporation:

- (1) Engaging or offering to engage in the business of installing appliances supplied with any type fuel gas;
- (2) Registered with the inspectional service department of the village;
- (3) Covered by surety bond as required elsewhere in this chapter.

Registered plumber's apprentice: A person who has a certificate of registration in effect, issued by the department of registration and education of the state, specifying such person to be a registered plumber's apprentice.

- Sec. 18-52.04 Private wells prohibited. The construction of new private wells and water supply systems shall not be permitted in the village. All buildings using private wells and water systems which subsequently connect to the village water supply shall, prior to connection to the village water supply, disconnect any interconnect between the service lines containing village water and water lines which could contain well water. In addition, prior to connection to the village water system, a double-check backflow preventer shall be installed on the new village water service line and backflow preventers on all well water outlets, including hose connections, in compliance with the ordinances of the

village.

Prior to August 15, 1990, for all existing wells or at the time of connection and every 12 months thereafter, the backflow preventers shall be inspected and certified that they are in compliance with the ordinances of the village and the well water tested showing it is potable. The certification and well water analysis shall be filed with the community development department; and upon receipt, the well and service lines shall be inspected by the village for compliance with all ordinances and regulations. Failure to file the certification or well water analysis showing the well water not potable shall require the well to be sealed within 21 days after written notice from the village.

Notwithstanding any other provision of this section, except for such uses or methods in existence before the effective date of this amendment, the use or attempt to use as a potable water supply, groundwater from the restricted area within the corporate limits of the village, as a potable water supply, by the installation or drilling of wells or by any other method is hereby prohibited. This prohibition expressly includes the Village of Hanover Park. This prohibition contained in this paragraph shall be applicable to the geographic area depicted on the attached map (Exhibit A [of Ordinance No. O-14-33]). A narrative description of the geographic area where use of groundwater as a potable water supply shall be prohibited under this paragraph is as follows:

Beginning at the point where the village corporate limits reach their northernmost extent along Francis Road then east parallel with the village corporate boundary to a point at the eastern edge of Barrington Road then south along the eastern edge of Barrington Road to its intersection with Tanglewood Avenue then west along the northern edge of Tanglewood Avenue to its intersection with Briarwood Street then north along the eastern edge of Briarwood Street to its intersection with Briarwood Avenue, then west along the northern edge of Briarwood Avenue to a point resulting from the projection of the village corporate boundary along Francis Rd south to the north edge of Briarwood Avenue.

- Sec. 18-52.05 Private waste disposal systems prohibited. The construction of new private waste disposal systems shall not be permitted in the village. All buildings using private waste disposal systems, including septic systems, which subsequently connect or have connected to the municipal sanitary sewer system shall, prior to connection or prior to August 1, 1990, disconnect all use of the private waste disposal system in compliance with section Sec. 106-156. - Pretreatment.
- Sec. 18-52.06 Overhead plumbing. All buildings with basements, floors, rooms or occupancy areas that are lower than the elevation of the nearest sanitary sewer manhole rim plus six inches shall [install] overhead plumbing.
- Sec. 18-52.07 Footing drains. Footing drains shall be connected to sump pumps, and discharge shall be made into storm sewers or swales provided in the drainage easements along the lot lines. No footing drains or drainage tile shall be connected to the sanitary sewer system.
- Sec. 18-52.08 Lavatories required. Lavatories shall be required in all bathrooms, commercial kitchens and examining rooms used by physicians, dentists, chiropractors and other medical practitioners. New uses, new construction, or expansion or remodeling of existing structures or uses shall be brought into compliance at the time of such construction or expansion.

ARTICLE II. - ADMINISTRATION AND ENFORCEMENT

- Sec. 18-52.09 Duties of building official. The administration and enforcement of this chapter shall be the duty of the building official, who is hereby authorized to take such action as may be reasonably necessary to enforce the purposes and provisions of this chapter.
- Sec. 18-52.10 Inspector—Position created. There is hereby created the position of plumbing inspector, who shall be recommended by the Building Official and appointed by the Village Manager.
- Sec. 18-52.11 Plumbing Inspector Qualifications and requirements for selection. The village Plumbing Inspector shall be a competent plumber, licensed by the State of Illinois. This person shall be appointed and authorized as an assistant to the building official to carry out the provisions of the plumbing code and other duties assigned by the Building Official. Each person so appointed and directed to enforce the provisions the ordinance of the Village of Hanover Park shall use the title "Plumbing Inspector" in the performance of these duties. Inspectors shall be selected and serve under the rules of civil service, the ordinances and requirements of the Village of Hanover Park and shall be under the general supervision of the Building Official.
- Sec. 18-52.12 Plumbing Inspector Duties. It shall be the duty of the plumbing inspector to see to the enforcement of all the provisions of the ordinances relating to plumbing and plumbing equipment and to make such inspections and perform such tests as may be necessary in the enforcement of such ordinances. The plumbing inspector shall perform other duties and tasks as assigned by the Building Official.
- Sec. 18-54 State licensing law adopted. There is hereby adopted for the purpose of regulating the practice of plumbing within the village the Illinois Plumbing License Law (225 ILCS 320/0.01 et seq.), as amended through Public Act 91-645 and as hereinafter deleted, modified, or amended.
- Sec. 18-55 **STATE OF ILLINOIS PLUMBING CODE PART 890, ADOPTED**
- Sec. 18-55.1 Illinois Plumbing Code—Adopted. The 2014 Illinois Plumbing Code, as published by the State Department of Public Health, and known as Title 77, Public Health, Part 890 of the Illinois Administrative Code, is adopted and incorporated by reference as the Plumbing Code of the Village of Hanover Park, and as the rules and regulations for the installation, repair, and alteration of plumbing, private water supply systems, private storm drainage systems, and private sewage disposal systems except as hereinafter amended. Note: Amendments were submitted to the IDPH for review and were approved.
- Sec. 18-56 **AMENDMENTS TO THE STATE OF ILLINOIS PLUMBING CODE PART 890**
- Sec. 18-56.01 890.420 a) 4) is hereby amended to be read as follows: A full size cleanout shall be located within 5 feet inside of and outside the foundation wall in direct line with the building sewer and drain.
- Sec. 18-56.02 890.1130 g) is amended by adding thereto a new item 8 as follows: 8) In addition to all requirements of the ILPC, backflow protection is required as follows. (a) An approved backflow prevention device shall be installed on all connections to the public water supply as described in the state plumbing code, 77 Illinois Administrative Code 890, and the agency's regulations, 35 Illinois Administrative Code 680. In addition, an approved backflow prevention device shall be installed on each service line to a consumer's water system where, in the judgment of the director of public works, actual or potential hazards to the public water supply system exist. (b) An approved backflow prevention device shall be installed on each service line to a consumer's water system where the following conditions exist: 1. Premises having an auxiliary water supply, unless such auxiliary supply is accepted as an additional source by the director of public works and the source is approved by the

state environmental protection agency. 2. Premises on which any substance is handled which can create an actual or potential hazard to the public water supply system. This shall include premises having sources or systems containing process fluids or waters originating from the public water supply system which are no longer under the sanitary control of the director of public works. 3. Premises having internal cross connections that, in the judgment of the director of public works and plumbing inspector, are not correctable, or intricate plumbing arrangements which make it impractical to determine whether or not cross connections exist. 4. Premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross connection survey. 5. Premises having a repeated history of cross connections being established or re-established. (c) An approved backflow device shall be installed on all connections to the village's water supply as described in the state plumbing code, 77 Illinois Administrative Code 890, and the agency's regulations, 35 Illinois Administrative Code 653. In addition, an approved backflow prevention device shall be installed in each service line to a consumer's water system serving, but not necessarily limited to, the following types of facilities, unless the director of public works determines that no actual or potential hazard to the public water supply system exists: (1) Hospitals, mortuaries, clinics, nursing homes. (2) Laboratories. (3) Sewage treatment plants, sewage pumping stations or storm water pumping stations. (4) Food or beverage processing plants. (5) Chemical plants. (6) Metal plating industries. (7) Petroleum processing or storage plants. (8) Radioactive material processing plants or nuclear reactors. (9) Car wash facilities.

(10) Pesticide, herbicide or extermination plants and trucks. (11) Farm service and fertilizer plants and trucks.

- Sec. 18-56.03 890.1140 d) is amended by adding thereto a new paragraph d) as follows: (1) Lawn Sprinkler Systems. Accessible shut-off valves shall be provided for each lawn sprinkler system. Such shutoff valves shall permit the system to be shut off without interference with the water supply to the building.
- Sec. 18-56.04 890.1150 a) 3) is amended to read as follows: The minimum depth for any water service pipe shall be at least 5'-6" (sixty-six (66) inches) deep.
- Sec. 18-56.05 890.1150 is amended by adding thereto a new e) and f) as follows: e) The use of a saddle connection is not allowed; only sleeve taps shall be used. f) Water services shall terminate above the basement or crawlspace floor level and have full diameter stainless steel or brass body ball valves on each side of the meter. Each building, business, tenant, dwelling unit or commercial space shall be separately and independently connected to the public main and an accessible shutoff shall be provided to allow the disconnection of an independent water service. The electric system ground shall extend unbroken and be connected to the water service at each side of the meter so as to comply with the currently adopted National Electrical Code.
- Sec. 18-56.06 890.1190 b) is amended by adding thereto a new paragraph as follows: Water meters shall be installed inside of a building and protected from freezing. Meters may be installed in an accessible meter vault only when approved by the code official. A full-bore stainless steel or brass body ball valve shall be installed at each side of the meter.
- Sec. 18-56.07 890.1200 (a) is amended to read as follows: a) Water service pipe sizing. The water service pipe from the street main, including the tap and all fittings, to the water distribution system for the building shall be sized in accordance with Appendix A, Tables M, N, O, P, and Q. Water service pipe and fittings shall be at least 1 inch in diameter for a new building or tenant use located in a building that is protected by an independently fed fire sprinkler system, 1-1/2 inch for new or remodeled single family

dwelling unit that will have a fire sprinkler systems fed from the domestic water supply line, or sized larger as required to meet the requirements of the plumbing code or to meet any fixture manufacturer requirements. A minimum 1" water service may be used for new or remodeled single-family dwelling units that will have a fire sprinkler system when hydraulic calculations are provided in advance of installing the water service and when approved by the code official for that specific building. If flushometers or other devices requiring a high rate of water flow are used, the water service pipe shall be designed and installed to provide this additional flow.

- Sec. 18-56.08 890.1230 a), the last sentence thereof is amended to read as follows: All temperature and pressure relief valves shall be the combination type, and the use of separate temperature and pressure relief valves is not allowed.
- Sec. 18-56.09 890.1320 is amended by adding thereto a new p) as follows: p) Building sewers shall exit the building at a depth of at least 48 inches and shall be increased to a minimum of six-inch diameter within six feet of the building. A six-inch long sweep clean-out extending to grade level shall be installed as close to five feet from the building as is possible.
- Sec. 18-56.10 890.1360 is amended by adding subsection a) 4): 4) Wastes Below Sewer Elevation-Any building sewer system with a fixture or open drain that is located less than 18 inches above the rim of the sanitary manhole which services the sanitary sewer shall be connected to a pumped overhead sewer. The automatic sewerage ejection system shall include a full-size backflow prevention valve that meets ILPC requirements and a full-sized ball valve so that the system can be easily replaced or serviced. Overhead sewers shall not be required for slab on grade construction when the floor elevation is a minimum of 18 inches above the sanitary sewer manhole rim elevation.
- Sec. 18-56.11 890.1380 is amended by adding thereto the following paragraph: The requirements for Storm Water Drainage within a building are supplemented by adding the requirements of the most recently adopted version of the International Building Code, the International Residential Building Code and the International Plumbing Code for those items not addressed in the State of Illinois Plumbing Code. The collection and discharge methods to be used for storm drainage shall be indicated as part of all applicable submittals and approved by the code official.
- Sec. 18-56.12 890 Appendix A, Table A is amended to read as follows: Approved Building Drainage/Vent Pipe in the building and to within 5 feet outside the building. The approved materials and standards for building sewer set forth in Section 890, Appendix A, Table A of the Illinois Plumbing Code are hereby adopted by the Village of Hanover Park, except that only the following materials are approved: 2) Brass Pipe, 3) Cast Iron Pipe, 5) Copper/Copper Alloy Pipe, 6) Copper/Copper Alloy Tubing (K-L-M OR DWV), 8) Glass Fiber Borosilicate Pipe, 9) High Silicon Content Cast Iron Pipe, 11) Polyvinyl Chloride (PVC) solid core pipe and fittings. (Cellular core IS NOT permitted) 14) Solder, 15) Stainless Steel types 304 and 316L, 16) Stainless Steel Butt Weld Fittings, 17) Stainless Steel Flanges, Identification of Piping Systems and applicable agency notes The Village of Hanover Park Code Official may approve other materials permitted by the State of Illinois Plumbing Code on a case by case basis when the alternate material is required for increased public safety.

Approved Materials for Building Sewer located more than 5 feet outside the building. The approved materials and standards for building sewer set forth in Section 890, Appendix A, Table A of the Illinois Plumbing Code are hereby adopted by the Village of Hanover Park, except that only the following materials are approved: 3) Cast Iron Soil Pipe/Fittings, 7) Polyvinyl Chloride (PVC) solid core pipe and fittings. Specifically: SDR 26 PVC (Green), AWWA C900 (Blue), and ADTM

D2241 (White). (Cellular core pipe IS NOT permitted), Identification of Piping Systems and applicable agency notes. The Village of Hanover Park Code Official may approve other materials permitted by the State of Illinois Plumbing Code on a case by case basis when the alternate material is required for increased public safety.

Approved Materials for Water Service Pipe from the water main to inside the building. Only the following materials are approved: 2) Brass Pipe, 3) Cast Iron (ductile iron) ² water pipe for sizes greater than two inches, 5) Copper/Copper Alloy Pipe, ⁶) Copper/Copper alloy Tubing, 13) Stainless Steel Pipe, 14) Welded Copper Water Tube and applicable agency notes. The Village of Hanover Park Code Official may approve other materials permitted by the State of Illinois Plumbing Code on a case by case basis when the alternate material is required for increased public safety.

Approved Materials for Water Distribution Pipe from the water service inside the building and throughout the building." Only the following materials are approved. 1) Brass Pipe, 3) Type "L" Copper/Copper Alloy pipe, 4) Type K Copper/Copper alloy Tubing, 10) Stainless Steel Pipe, 11) Welded Copper Water Tube and applicable agency notes. Galvanized pipe may only be used for repairs to existing galvanized piping systems. The Village of Hanover Park Code Official may approve other materials permitted by the State of Illinois Plumbing Code on a case by case basis when the alternate material is required for increased public safety.

Sec. 18-56.13 890 Appendix A, Table B is amended by adding a new 14 as follows: 14. A minimum of two sillcocks (hose bibbs) having built-in vacuum breakers shall be installed for each building type. All sillcocks shall be anti-siphon and frost proof in accordance with ASSE standard 1011 or 1019. A line shutoff valve shall be provided for each sillcock in a location that is not subject to freezing.

Sec. 18-58 **CROSS CONNECTION CONTROL**

Sec. 18-58.01 Required.

(a) Standards. All plumbing installed within the village shall be installed in accordance with the state plumbing code, 77 Illinois Administrative Code 890. If, in accordance with the state plumbing code or in the judgment of the director of public works or his authorized agent (hereinafter referred to as "director"), an approved backflow prevention device is necessary for the safety of the public water supply system, the director shall give notice to the water customer to install such an approved device immediately. The water customer shall, at his own expense, install such an approved device at a location and in a manner in accordance with the state plumbing code, the state environmental protection agency and all applicable local regulations, and shall have inspections and tests made of such approved devices upon installation and not less than annually thereafter. The owner of the premises shall maintain records to document that the testing, servicing and repairs were conducted as required. It shall be unlawful for the owner or occupant of any building in the village to violate any of the regulations adopted in this section.

(b) Prohibited connections. No person, firm or corporation shall establish or permit to be established or maintain or permit to be maintained any connection whereby a private, auxiliary or emergency water supply, other than the regular public water supply of the village, enters into the supply or distribution system of the village, unless such private, auxiliary or emergency water supply and the method of connection and use of such supply shall have been approved by the director and the state

environmental protection agency.

(c) Surveys. The director shall cause surveys and investigations to be made of industrial and other properties served by the public water supply to determine whether actual or potential hazards to the public water supply may exist. Such surveys and investigations shall be made a matter of public record and shall be repeated at least every two years, or as often as the director shall deem necessary. Records of such surveys shall be maintained and available for review for a period of at least five years. (d) Right of entry. The plumbing inspector and director shall have the right to enter at any reasonable time any property served by a connection to the public water supply or distribution system of the village for the purpose of verifying the presence or absence of cross connections, and verifying information submitted by the customer regarding the required cross connection control inspection. The owner, lessees or occupants of any property so served shall furnish to the plumbing inspector and director any information which they may request regarding the piping system or systems or water used on such property.

(e) Disconnection of service. The director is authorized and directed to discontinue, after reasonable notice to the occupant thereof, the water service to any property wherein any connection in violation of the provisions of this ordinance is known to exist, and to take such other precautionary measures as he may deem necessary to eliminate any danger of contamination of the public water supply distribution mains. Water service to such property shall not be restored until such conditions have been eliminated or corrected in compliance with the provisions of this ordinance and until a reconnection fee of \$100.00 is paid to the village. Immediate disconnection with verbal notice can be affected when the director is assured that imminent danger of harmful contamination of the public water supply system exists. Such action shall be followed by written notification of the cause of such disconnection. Immediate disconnection without notice to any party can be affected to prevent actual or anticipated contamination or pollution of the public water supply, provided that, in the reasonable opinion of the director or the state environmental protection agency, such action is required to prevent actual or potential contamination or pollution of the public water supply. Neither the village, the director, or its agents or assigns shall be liable to any customer for any injury, damages or lost revenues which may result from termination of said customer's water supply in accordance with the terms of this ordinance, whether or not said termination was with or without notice.

(f) Responsibility for costs of cleanup. The consumer responsible for back-siphoned material or contamination through backflow, if contamination of the potable water supply system occurs through an illegal cross connection or an improperly installed, maintained or repaired device, or a device which has been bypassed, shall be responsible for the costs of cleanup of the potable water supply system.

Sec. 18-58.02 Purpose of ordinance; application; policy. (a) Purpose. The purpose of this ordinance is:

(1) To protect the public water supply system from contamination or pollution by isolating within the customer's water system contaminants or pollutants which could backflow through the service connection into the public water supply system. (2) To promote the elimination or control of existing cross connections, actual or potential, between the public or consumer's potable water system and non-potable water systems, plumbing fixtures and sources or systems containing substances of unknown or questionable safety. (3) 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 regulations shall apply to all premises served by the public potable water supply system of the village. (c) Policy. If, in the judgment of the

director or his authorized representative, an approved backflow prevention device is necessary for the safety of the public water supply system, the director shall give notice to the consumer to install such approved backflow prevention device at each service connection to the premises. The consumer shall immediately install such approved device or devices at his own expense; failure, refusal or inability on the part of the consumer to install such device or devices immediately shall constitute grounds for discontinuing water service to the premises until such device or devices shall have been installed. The consumer shall retain records of installation, maintenance, testing and repair as required in section 18-58.08 for a period of at least five years.

Sec. 18-58.03 Definitions. The following definitions shall apply in the interpretation and enforcement of this ordinance:

Agency means the state environmental protection agency.

Approved means backflow prevention devices or methods approved by the Research Foundation for

Cross-Connection Control of the University of Southern California, Association of State Sanitary Engineers, American Water Works Association, or American National Standards Institute, or certified by the National Sanitation Foundation.

Auxiliary water system means any water source or system on or available to the premises other than the public water supply system, and includes the water supplied by the system. These auxiliary waters may include water from another purveyors' public water supply system; or water from a source such as wells, lakes, or streams, or process fluids; or used water. These waters may be polluted or contaminated or objectionable or constitute a water source or system over which the village does not have control.

Backflow means the 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 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 the state must meet the standards of the state plumbing code and the state environmental protection agency.

Consumer or customer means the owner, the occupant thereof or the person in control of any premises supplied by or in any manner connected to the village's public water system.

Consumer's water system means any water system located on the customer's premises. A building plumbing system is considered to be a customer's water supply.

Contamination means an impairment of the quality of the water by entrance of any substance to a degree which could create a health hazard.

Cross connection means any physical connection or arrangement between two otherwise separate piping systems, one of which contains potable water and the other a substance of unknown or questionable safety or quality, whereby there may be a flow from one system into the other.

Direct cross connection means a cross connection formed when a water system is physically joined to a source of unknown or unsafe substance.

Indirect cross connection means a cross connection through which an unknown substance can be forced, drawn by vacuum or otherwise introduced into a safe potable water system.

Double check-valve assembly means an assembly composed of single, independently acting check-valves approved under ASSE standard 1015. A double check-valve assembly must include tight shutoff valves located at each end of the assembly and suitable connections for testing the water tightness of each check-valve.

Fixed proper 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 [in] a real or potential danger to the health and well-being of consumers. The word "severe" as used to qualify "health hazard" 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 state plumbing code, 77 Illinois Administrative Code 890.

Non-potable water means water not safe for drinking, personal, or culinary use as determined by the requirements of 35 Illinois Administrative 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 sprinkling 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, 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 requirements of 35 Illinois Administrative 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(s) 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) Oils, gases, acids, alkalis and other liquid and gaseous fluids used in industrial

or other processes or for firefighting purpose.

Public water supply means all mains, pipes and structures through which water is obtained and distributed to the public, including wells and well structures, intakes, pumping stations, treatment plants, reservoirs, storage tanks and appurtenances, collectively or severally, actually used or intended for use for the purpose of furnishing water for drinking or general domestic use and which serve at least 15 service connections or which regularly serve at least 25 persons at least 60 days per year. A public water supply is either a "community water supply" or a "non-community water supply."

Reduced pressure principle backflow prevention device means a device containing a minimum of two independently acting check-valves together with an automatically operated pressure differential relief valve located between the two check-valves and approved under ASSE standard 1013. During normal flow and at the 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 device, and each device shall be fitted with properly located test cocks.

Service connection means the opening, including all fittings and appurtenances, at the water main through which water is supplied to the user.

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 and methods located within that customer's piping system. The survey must be in written form and should not be an actual plumbing inspection.

System hazard means a condition through which an aesthetically objectionable or degrading material not dangerous to health may enter the public water supply system or a consumer's potable water system.

Used water means any water supplied by a public water supply system to a consumer's water system after it has passed through the service connection and is no longer under the control of the water supply official custodian.

Water purveyor means the village's water system.

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Water system. (a) The water system shall be considered as made up of two parts: the public water supply system and the consumer's water system. (b) The public water supply system shall consist of the source facilities and the distribution system and shall include all those facilities of the potable water system under the control of the director up to the point where the consumer's water system begins. (c) The source shall include all components of the facilities utilized in the production, treatment, storage, and delivery of water to the public water supply distribution system. (d) The public water supply distribution system shall include the network of conduits used to deliver water from the source to the consumer's water system. (e) The consumer's water system shall include all parts of the facilities beyond the service connection used to convey water from the public water supply distribution system to points of use.

Sec. 18-58.05

Survey and investigations. (a) The consumer's premises shall be open at all reasonable times to the plumbing inspector or director 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 within the consumer's premises. (b) On request by the director or plumbing inspector, the consumer shall furnish information regarding the piping system or systems or water use within the customers' premises. The consumer's premises shall be open at all reasonable times to the director and plumbing inspector for the verification of information submitted by the consumer to the village regarding cross connection inspection results. (c) It shall be the responsibility of the water consumer to arrange periodic surveys of water use practices on his premises to determine whether there are actual or potential cross connections to his water system through which contaminants or pollutants could backflow into his or the public potable water system. All cross-connection control or other plumbing inspections must be conducted in accordance with Illinois Compiled Statutes, chapter 225, section 320/3(1) (225 ILCS 320/3(1)), as amended. (d) It is the responsibility of the water consumer to prevent backflow into the public water system by ensuring that: (1) All cross connections are removed; or approved cross connection control devices are installed for control of backflow and back-siphonage. (2) Cross connection control devices shall be inspected at the time of installation and at least annually by the village's plumbing inspector. The inspection of mechanical devices shall include physical testing in accordance with the manufacturer's instructions. (e) Testing and records. (1) Each device shall be tested at the time of installation and at least annually or more frequently if recommended by the manufacturer. (2) Each device shall have a tag attached listing the date of most recent test, name of inspector, and type and date of repairs. (3) A maintenance log shall be maintained and include: a. Date of each test. b. Name and approval number of the person performing the test. c. Test results. d. Repairs or servicing required. e. Servicing that was performed and date completed.

Sec. 18-58.06

Where protection required. (a) An approved backflow prevention device shall be installed on all connections to the public water supply as described in the state plumbing code, 77 Illinois Administrative Code 890, and the agency's regulations, 35 Illinois Administrative Code 680. In addition, an approved backflow prevention device shall be installed on each service line to a consumer's water system where, in the judgment of the director, actual or potential hazards to the public water supply system exist. (b) An approved backflow prevention device shall be installed on each service line to a consumer's water system where the following conditions exist: (1) Premises having an auxiliary water supply, unless such auxiliary supply is accepted as an additional source by the director and the source is approved by the state environmental protection agency. (2) Premises on which any substance is handled which can create an actual or potential hazard to the public water supply system. This shall include premises having sources or systems containing process fluids or waters originating from the public water supply system which are no longer under the sanitary control of the director. (3) Premises having internal cross connections that, in the judgment of the director and plumbing inspector, are not correctable, or intricate plumbing arrangements which make it impractical to determine whether or not cross connections exist. (4) Premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross connection survey. (5) Premises having a repeated history of cross connections being established or reestablished. (c) An approved backflow device shall be installed on all connections to the village's water supply as described in the state plumbing code, 77 Illinois Administrative Code 890, and the agency's regulations, 35 Illinois Administrative Code 653. In addition, an approved backflow prevention device shall be installed in each service line to a consumer's water system serving, but not necessarily limited to, the following types of facilities, unless the director determines that no actual or potential hazard to the public water supply system exists: (1) Hospitals, mortuaries, clinics, nursing homes. (2) Laboratories. (3) Sewage treatment plants, sewage pumping stations or stormwater pumping stations. (4) Food or beverage processing

plants. (5) Chemical plants. (6) Metal plating industries. (7) Petroleum processing or storage plants. (8) Radioactive material processing plants or nuclear reactors. (9) Carwashes. (10) Pesticide or herbicide or extermination plants and trucks. (11) Farm service and fertilizer plants and trucks.

- Sec. 18-58.07 Type of protection required. (a) The type of protection required under subsections 18-58.05 (a) and 18-58.05 (b) of this ordinance shall depend on the degree of hazard which exists, as follows: (1) An approved fixed proper air gap separation shall be installed where the public water supply system may be contaminated with substances that could cause a severe health hazard. (2) An approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention device shall be installed where the public water supply system may be contaminated with a substance that could cause a system or health hazard. (3) An approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention device 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 18-58.05 (c) of this ordinance shall be an approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention device. (c) Where the village's water supply or an auxiliary water supply is used for a fire protection system, reduced pressure principle backflow preventers shall be installed on fire safety systems connected to the public water supply when: (1) The fire safety system contains antifreeze, fire retardant or other chemicals; (2) Water is pumped into the system from another source; (3) Water flows by gravity from a non-potable source or water can be pumped into the fire safety system from any other source; or (4) There is a connection whereby another source can be connected to the sprinkler system.
- Sec. 18-58.08 Backflow prevention device. (a) All backflow prevention devices or methods required by this ordinance shall be approved by the Research Foundation for Cross-Connection Control of the University of Southern California, American Water Works Association, American Society of Sanitary Engineering or American National Standards Institute, or certified by the National Sanitation Foundation to be in compliance with applicable industry specifications. (b) Installation of approved devices shall be made in accordance with 35 Illinois Administrative 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 manufacturer of the device shall be performed. The manufacturer's maintenance manual shall be available on-site.
- Sec. 18-58.09 Inspection; maintenance. (a) It shall be the duty of the owner or consumer at any premises on which backflow prevention devices required by this ordinance 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 the manufacturer's instructions. (1) Fixed proper air gap separations shall be inspected to document that a proper vertical distance is maintained between the discharge point of the service line and the flood level rim of the receptacle at the time of installation and at least annually thereafter. (2) Double check valve assemblies shall be inspected and tested at time of installation and at least annually thereafter, and required service performed within 15 days. (3) Reduced pressure principle backflow prevention devices shall be tested at the time of installation and at least annually, or more frequently if recommended by the manufacturer, and required service performed within five 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 listing the date of most recent test or visual inspection, name of tester, and type and date of repairs. (d) A maintenance log shall be maintained

and include: (1) Date of each test or visual inspection; (2) Name and approval number of the person performing the test or visual inspection; (3) Test results; (4) Repairs or servicing required; (5) Repairs and date completed; and (6) Servicing performed and date completed. (e) Whenever backflow prevention devices required by this ordinance are found to be defective, they shall be repaired or replaced at the expense of the consumer without delay. (f) Backflow prevention devices shall not be bypassed, made inoperative, removed or otherwise made ineffective without specific authorization by the director.

Sec. 18-58.10 Booster pumps. (a) Where a booster pump has been installed on the service line to or within any premises, such pump shall be equipped with a low-pressure cutoff device designed to shut off the booster pump when the pressure in the service line on the suction side of the pump drops to 20 psi or less. (b) It shall be the duty of the owner or water consumer to maintain the low-pressure cutoff device in proper working order and to certify to the director, at least once a year that the device is operable.

Sec. 18-58.11 Violation; discontinuation of service. (a) The director shall deny or discontinue, after reasonable notice to the occupants thereof, the water service to any premises wherein any backflow prevention device required by this ordinance is not installed, tested, maintained and repaired in a manner acceptable to the director, or if it is found that the backflow prevention device has been removed or bypassed, or if an unprotected cross connection exists on the premises, or if a low-pressure cutoff required by these regulations is not installed and maintained in working order. (b) Water service to such premises shall not be restored until the owner or consumer has corrected or eliminated such conditions or defects in conformance with these regulations and to the satisfaction of the director, and the required reconnection fee is paid.

Sec. 18-59 **PERMITS, CERTIFICATES AND FEES**

Sec. 18-59.01 Permits—Required; exceptions. (a) A permit for plumbing, including gas piping, plastic pipe lawn sprinkler systems, swimming pools, waste disposal, and stormwater disposal system installation, and for connection of such installations to the public water supply, public sanitary or storm sewer system, or the gas utility service piping or meter shall be obtained from the building official before any such work is commenced, whether it is new work, alteration or repair, except as specifically provided in this article. (b) No permit shall be required for minor plumbing repairs within buildings defined as those repairs that do not require changes in piping to or from plumbing fixtures or for the removal, replacement, or reinstallation of a faucet, lavatory, water closet, dishwasher, or refrigerator ice maker water line or other minor repair that does not exceed \$250.00 in value as determined by the building official.

Sec. 18-59.02 Permits - Applications. Applications for permits required by this article shall be made on forms prescribed by the building official and may be made by the owner or authorized agent. New application forms need not be made for work for which permits were voided due to time lapse. Each application shall set forth the valuation of the proposed work.

Sec. 18-59.03 Permits - Surety bond prerequisite to issuance to sewer contractor. A person who is sewer contractor shall execute and deposit with the village a surety bond in the amount of \$20,000.00, such

surety bond to be conditioned that all sewer work performed by the licensee or under his supervision shall be performed in accordance with the provisions of this chapter and that he will pay all fines and penalties properly imposed upon him for violation of the provisions of this chapter. No permit shall be issued to a licensed sewer contractor unless such surety bond is executed and deposited and in effect as herein provided. A surety bond on file with the State of Illinois shall satisfy this requirement when work is done by a licensed plumber.

- Sec. 18-59.04 Permits - Issuance. (a) Permits required by this article shall be granted within 24 hours when no plans are required to be checked. Other permits shall be issued within a reasonable period to allow for checking of plans. (b) Permits for plumbing shall be issued to registered plumbers only except for the owner of a single-family dwelling who performs plumbing work in conformance with the ordinances of this village except the installation, connection or repair of building sewer and water tap-on connections.
- Sec. 18-59.05 Permits - Additional work after issuance. In the event that the holder of a permit issued pursuant to this article desires to revise the plumbing system after a permit is issued, he shall apply to the building official for permission to make such changes and, if approved, shall pay additional fees required under the original permit before a certificate of acceptance is issued. Approval of such change shall be made in writing.
- Sec. 18-59.06 Permits - Posting required. The permit card for the permit required by this article shall be posted at all times during work and until completion thereof in some accessible place on the outside of the structures or on the premises where such work is being done so that the permit card may be seen from a public street or public alley.
- Sec. 18-59.07 Permits – Term. Permits issued under this article shall be effective for one year unless an extension is approved in writing by the building official. Permits for work which is not started within six months from the date of issue shall be voided. Permits shall become void after one year from the date of issue if the work is not completed within that time except as provided otherwise herein. When permits are voided, new permits shall be obtained, and regular fees paid before work can be started or continued.
- Sec. 18-59.08 Plumbing fee schedule. To provide for costs of administration and inspection, fees required by this chapter shall be as set forth by chapter 18, buildings and building regulations, article VI, fee schedule, sections of this municipal Code.
- Sec. 18-59.09 Fees—Reinspection. (a) The fee for reinspection caused by failure of the plumbing system to pass any required test shall be \$50.00 and shall be paid before any certificate of approval is issued. (b) The fee for reinspection due to improper workmanship or materials or installation of improper equipment or fixtures shall be \$50.00 for a residential permit, or \$100.00 for a nonresidential permit, and shall be paid before any certificate of approval is issued.
- Sec. 18-59.10 Fees - Refunds. No fees shall be refunded where the permit required by this article has lapsed as specified elsewhere herein. Where the permit is revoked at the request of the applicant prior to lapsing due to time limits and no work has been done under the permit, all but the basic fee may be refunded.
- Sec. 18-59.11 Fees – Penalty. No permit shall be issued for work under this chapter which has been started without such permit, and such work shall cease until all requirements have been met for obtaining

such permit and a penalty fee equal to 100 percent of the total required permit fees has been paid. Payment of such penalty fee shall not affect other penalties as prescribed in this chapter.

- Sec. 18-59.12 Forms. All application permits, and all forms used in connection with this chapter shall be as prescribed by the building official. One copy shall be filed in the building official's office and may be destroyed after two years provided that a permanent record is kept of the information contained thereon.
- Sec. 18-59.13 Plans—When required to accompany application for permit. (a) Before construction, extension, alteration or repair of any portion of the plumbing or private stormwater disposal system of any building or premises is begun, two sets of plans and specifications of such work shall be presented to the building official for approval at the time of application for a permit required by this article by the owner or his authorized agent except as provided. (b) Plans and specifications shall not be required for alteration and repair work of a minor nature. The building official shall determine whether the work proposed is of a minor nature.
- Sec. 18-59.14 Plans - Changes. Applications for changes in any plans after a permit required by this article is issued shall be in writing; and, if approved, the original permit shall be changed, and the additional fees, if any, shall be paid prior to the performance of such change. No material deviation from the permit and approved plan shall otherwise be allowed.
- Sec. 18-59.15 Plans - Records. Plans and specifications of all work shall be kept for at least two years from the date of final acceptance in the office of the building official. After two years, plans and specifications may be destroyed provided that pertinent data is transferred to master records in the office of the building official.
- Sec. 18-59.16 Emergency work. Work of an emergency nature may be accomplished immediately, without a permit required by this article being secured prior to commencing such work, provided that the Inspectional Services Division is notified within 24 hours, or for holiday and weekend emergencies, on the next day such office is open, and provided that the appropriate permit is secured within three days after the day such work is started. In the event work regulated by this chapter is accomplished by unauthorized persons, a properly qualified person shall obtain the required permit and certify to the village that the work has been done in accordance with this chapter and request appropriate inspection.
- Sec. 18-59.17 Certificates of compliance—Issuance. Certificates of compliance shall fulfill the requirements of the International Building Code and the International Residential Code as adopted by the Village.

ARTICLE VI. – MECHANICAL CODE

Sec. 18-60 2018 INTERNATIONAL MECHANICAL CODE – IMC

- Sec. 18-60.1 Adopted. The International Mechanical Code, 2018 edition, as published by the International Code Council, be and is hereby adopted as the Mechanical Code of the Village of Hanover Park, in the State of Illinois regulating the design, construction, alteration, movement, renovation, replacement, repair and maintenance as herein provided; providing for the issuance of permits and collection of fees therefore; and each and all regulations, provisions, penalties, conditions and terms of said Mechanical Code on file are hereby referred to, adopted, and made a part thereof with the additions, insertions, deletions and changes, if any, prescribed in section 18-62 of this article.

Sec. 18-61 **AMENDMENTS TO THE 2018 INTERNATIONAL MECHANICAL CODE – IMC**

- Sec. 18-61.01 [A] 101.1 is amended to read as follows: These regulations shall be known as the Mechanical Code of Hanover Park, hereinafter referred to as "this code".
- Sec. 18-61.02 [A] 106.5.2 is amended to read as follows: The fees for mechanical work shall be as indicated in Hanover Park, Illinois, Code of Ordinances Section 18-200.
- Sec. 18-61.03 [A] 106.5.3 is amended to read as follows: The code official may authorize the refunding of fees as allowed by ordinance.
- Sec. 18-61.04 [A] 108.4 is amended to read as follows: Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.
- Sec. 18-61.05 [A] 108.5 is amended to read as follows: Upon notice from the code official that mechanical work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping work. Any person who shall continue any work on the system after having been served a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.
- Sec. 18-61.06 [A] 109.2 is amended to read as follows: The Village Board shall serve as the Board of Appeals.
- Sec. 18-61.07 505.3 Exhaust ducts. Omit exception 1, range hoods and microwave exhaust units shall vent to the outside in approved metal ducts unless otherwise approved by the code official.
- Sec. 18-61.08 Appendix A - Chimney Connector Pass-Throughs - Adopted.
- Sec. 18-61.09 Appendix B - Recommended Permit Fee Schedule – Omitted

ARTICLE VII. – FUEL GAS CODE

Sec. 18-70 **2018 INTERNATIONAL FUEL GAS CODE - IFGC**

- Sec. 18-70.1 Adopted. The International Fuel Gas, 2018 edition, as published by the International Code Council, published in pamphlet form, be and is hereby adopted as the Fuel Gas Code of the Village of Hanover Park, providing for fuel gas systems and gas fired appliances. Conditions and terms of said fuel gas code on file are hereby referred to with such amendments as are set forth in this article.
- Sec. 18-71 **Amendments to the 2018 International Fuel Gas Code - IFGC**

- Sec. 18-71.01 [A] 101.1 Title. These regulations shall be known as the Fuel Gas Code of the Village of Hanover Park, hereinafter referred to as "this code."
- Sec. 18-71.02 [A] 106.6.2 is amended to read as follows: The fees for work shall be as indicated in Hanover Park, Illinois, Code of Ordinances Section 18-200.
- Sec. 18-71.03 [A] 106.6.3 Fee refunds is amended to read as follows: The code official may authorize the refunding of fees as allowed by ordinance.
- Sec. 18-71.04 [A] 108.4 is amended to read as follows: Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.
- Sec. 18-71.05 [A] 108.5 Stop work orders. Upon notice from the code official that work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping work. Any person who shall continue any work on the system after having been served a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.
- Sec. 18-71.06 [A] 109.2 is amended to read as follows: The Village Board shall serve as the Board of Appeals.
- Sec. 18-71.07 APPENDIX A (IFGS) - SIZING AND CAPACITIES OF GAS PIPING is adopted.
- Sec. 18-71.08 APPENDIX B (IFGS) - SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES AND APPLIANCES LISTED FOR USE WITH TYPE B VENTS is adopted.
- Sec. 18-71.09 APPENDIX C (IFGS) - EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS is adopted.
- Sec. 18-71.10 APPENDIX D (IFGS) - RECOMMENDED PROCEDURE FOR SAFETY INSPECTION OF AN EXISTING APPLIANCE INSTALLATION is adopted.

ARTICLE VIII. – EXISTING BUILDING CODE

- Sec. 18-80 **2018 INTERNATIONAL EXISTING BUILDING CODE - IEBC**
- Sec. 18-80.1 Adopted. The International Existing Building Code, 2018 edition, as published by the International Code Council, published in pamphlet form, be and is hereby adopted as the Fuel Gas Code of the Village of Hanover Park.
- Sec. 18-81 **AMENDMENTS TO THE 2018 INTERNATIONAL EXISTING BUILDING CODE - IEBC**

- Sec. 18-81.01 These regulations shall be known as the Existing Building Code of the Village of Hanover Park, hereinafter referred to as “this code.”
- Sec. 18-81.02 [A] 101.2 Scope shall be amended to read as follows. The provisions of this code shall apply to the repair, alteration, change of occupancy, addition to and relocation of existing buildings. Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the International Residential Code as approved by the Code Official.
- Sec. 18-81.03 Add [A] 101.8 - Change of occupancy: Except for single family residential buildings, any buildings or parts of a building vacant for more than one year shall be considered a change of use and shall be brought up to current code requirements.
- Sec. 18-81.04 [A] 105.1.1 Annual permit. – Annual permits are not allowed unless specifically approved by the Code Official.
- Sec. 18-81.05 [A] 105.2 Work exempt from a permit is amended to read as follows. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. See sections [A] 105.2.1 Emergency repairs and [A] 105.2.2 Repairs. Per the direction and approval of the Code Official, permits shall or shall not be required for the following:

Permits ARE required for the following	Permits ARE NOT required for the following
Building:	Building:
Sidewalks and driveways, cabinets, counter tops, and similar finish work, window awnings supported by an exterior wall, movable cases, counters, and partitions, along with all other work.	Painting, wall papering, tiling, carpeting, temporary motion picture, television, and theater stage sets and scenery, shade cloth structures constructed for nursery or agricultural purposes.
Electrical:	Electrical:
Equipment and wiring for any power supply, the installations of towers, and antennas, electrical services, outlets, new lighting, smoke detectors, carbon monoxide detectors, all other electrical work.	Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles, to electrical equipment used for radio and television transmissions, for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.
Gas:	Gas:
Furnaces, gas lines for generators, gas lines for grilles and other equipment	Portable heating appliance, replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:	Mechanical:
Steam, hot, or chilled water piping within any heating or cooling equipment regulated by this code.	Portable heating appliance, portable ventilation equipment, portable cooling unit, replacement of any part that does not alter its approval or make it unsafe, portable evaporative cooler, self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.
Plumbing:	Plumbing:
For any concealed trap, drainpipe, water, soil, waste, or vent pipe that becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work, and a permit shall be obtained, and an inspection made as provided for in this code or by the State of Illinois Plumbing Code.	For exposed piping, the stopping of minor leaks in drains, water, soil, waste, or vent pipe, the clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, provided that such repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

- Sec. 18-81.06 [A] 105.3 Application for permit. Replace (Department of Building Safety) with Inspectional Services.
- Sec. 18-81.07 301.5 (Add) and additional requirements the currently adopted Illinois Accessibility Code.
- Sec. 18-81.08 302.3 Comply with the State of Illinois Plumbing code.
- Sec. 18-81.09 [A] 112.1 General is amended to read as follows: "The board of appeals shall be appointed by the governing body and shall hold office at its pleasure," and inserting "the Village Board shall be the Board of Appeals."
- Sec. 18-81.10 [A] 112.3 Qualifications is deleted.
- Sec. 18-81.11 For sections 1001.2.1 and 1001.2.2 refer to section 18-01.02 of the municipal code.
- Sec. 18-81.12 SECTION 1009 – PLUMBING - 1009.1 Increased demand. Replace the "International Plumbing Code" with the State of Illinois Plumbing Code as amended by the Village of Hanover Park. Refer to sections 18-50 and 18-55.
- Sec. 18-81.13 1009.2 Food-handling occupancies. Replace the "International Plumbing Code" with the State of Illinois Plumbing Code as amended by the Village of Hanover Park. Refer to sections 18-50 and 18-55.
- Sec. 18-81.14 1009.3 Interceptor required. Replace the "International Plumbing Code" with the State of Illinois Plumbing Code as amended by the Village of Hanover Park. Refer to sections 18-50 and 18-55.
- Sec. 18-81.15 1009.5 Group I-2. Replace the "International Plumbing Code" with the State of Illinois Plumbing Code as amended by the Village of Hanover Park. Refer to sections 18-50 and 18-55.

- Sec. 18-81.16 1011.1.1.1 Change of occupancy classification without separation. Refer to section 18-01.02 of the municipal code.
- Sec. 18-81.17 1011.1.1.2 Change of occupancy classification with separation. Refer to section 18-01.02 of the municipal code.
- Sec. 18-81.18 1011.2 Fire protection systems. Refer to section 18-01.02 of the municipal code.
- Sec. 18-81.19 1011.5 Heights and areas. Refer to Sec. 18-11.21. All buildings of all use groups, other than one- and two-family dwellings, greater than 2,500 square feet shall be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13. All spec warehouse buildings (Use Groups S or F) with a ceiling height 25 feet or greater shall be protected with an ESFR fire sprinkler system or hydraulically-calculated system for Class IV commodities with rack storage calculated to the greatest storage height. All automatic fire sprinkler systems shall be electronically supervised by a fire alarm system. For the purposes of this section, a building is defined as the aggregate floor area bounded by the exterior walls regardless of fire walls, fire barriers, or fire resistance-rated horizontal assemblies. Any addition to an existing building that does not have a fire sprinkler system that would increase the total area of the building to over 2,500 square feet or to an existing building that does not have a fire sprinkler system and is currently over 2,500 square feet shall require the existing building and addition be protected with an approved automatic fire sprinkler system installed and maintained in accordance with NFPA 13.
- Sec. 18-81.20 1104.1 Smoke alarms in existing portions of a building. In addition to the listed requirements, refer to the requirements of the State of Illinois for smoke detectors.
- Sec. 18-81.21 1105.1 Carbon monoxide alarms in existing portions of a building. In addition to the listed requirements, refer to the requirements of the State of Illinois for carbon monoxide detectors.
- Sec. 18-81.22 Appendix A: Guidelines for the Seismic Retrofit of Existing Buildings. CHAPTER A1 - SEISMIC STRENGTHENING PROVISIONS FOR UNREINFORCED MASONRY BEARING WALL BUILDINGS is adopted.
- Sec. 18-81.23 Appendix A: Guidelines for the Seismic Retrofit of Existing Buildings. CHAPTER A2: EARTHQUAKE HAZARD REDUCTION IN EXISTING REINFORCED CONCRETE AND REINFORCED MASONRY WALL BUILDINGS WITH FLEXIBLE DIAPHRAGMS is adopted.
- Sec. 18-81.24 Appendix A: Guidelines for the Seismic Retrofit of Existing Buildings. CHAPTER A3 - PRESCRIPTIVE PROVISIONS FOR SEISMIC STRENGTHENING OF CRIPPLE WALLS AND SILL PLATE ANCHORAGE OF LIGHT, WOOD-FRAME RESIDENTIAL BUILDINGS is adopted.
- Sec. 18-81.25 Appendix A: Guidelines for the Seismic Retrofit of Existing Buildings. CHAPTER A4 - EARTHQUAKE RISK REDUCTION IN WOOD-FRAME RESIDENTIAL BUILDINGS WITH SOFT, WEAK OR OPEN FRONT WALLS is adopted.
- Sec. 18-81.26 CHAPTER A5 - REFERENCED STANDARDS is adopted.
- Sec. 18-81.27 APPENDIX B - SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS FOR EXISTING BUILDINGS AND FACILITIES, is adopted for all situation not addressed by the State of Illinois Accessibility Code.
- Sec. 18-81.28 APPENDIX C: Guidelines for the Wind Retrofit of Existing Buildings. CHAPTER C1 - GABLE END

RETROFIT FOR HIGH-WIND AREAS is adopted.

Sec. 18-81.29 APPENDIX C: Guidelines for the Wind Retrofit of Existing Buildings. CHAPTER C2 - ROOF DECK FASTENING FOR HIGH-WIND AREAS is adopted.

Sec. 18-81.30 RESOURCE A - GUIDELINES ON FIRE RATINGS OF ARCHAIC MATERIALS AND ASSEMBLIES is adopted.

ARTICLE IX. – SWIMMING POOL AND SPA CODE

Sec. 18-90 **2018 INTERNATIONAL SWIMMING POOL AND SPA CODE - ISPCS**

Sec. 18-90.1 Adopted. The International Swimming Pool and Spa Code, 2018 edition, as published by the International Code Council, published in pamphlet form, be and is hereby adopted as the Pool and Spa Code of the Village of Hanover Park regulating the design, construction, alteration, movement, renovation, replacement, repair and maintenance of swimming pools, spas, hot tubs, aquatic facilities and related equipment with such amendments as hereinafter set forth in this Article.

Sec. 18-91 **AMENDMENTS TO THE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE - ISPCS**

Sec. 18-91.01 [A] 101.1 is amended to read as follows: Title. These regulations shall be known as the Swimming Pool and Spa Code of the Village of Hanover Park, hereafter referred to as “this code.”

Sec. 18-91.02 [A] 103.1 shall be amended to read as follows. Creation of enforcement agency. The department of building safety is hereby created and the official in charge thereof shall be known as the code official. The inspectional Services Division shall act as the department of building safety.

Sec. 18-91.03 [A] 105.6.2 is amended to read as follows: The fees for work shall be as indicated in Hanover Park, Illinois, Code of Ordinances Section 18-200.

Sec. 18-91.04 [A] 105.6.3 is amended to read as follows: The code official may authorize the refunding of fees as allowed by ordinance.

Sec. 18-91.05 [A] 107.4 is amended to read: Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install alter, or repair swimming pools, spas or related equipment in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.

Sec. 18-91.06 [A] 107.5 is amended to read as follows: Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner’s agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping work. Any person who shall continue any work on the system after having been served a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.

- Sec. 18-91.07 [A] 108.2 Membership of board. The Village Board shall be the Board of Appeals.
- Sec. 18-91.08 [A] 108.2.1, Qualifications. The requirements for qualifications is omitted.
- Sec. 18-91.09 320.1 is amended by adding the following: It shall be unlawful for the owner or occupant of premises on which is located a pool which has dimensions greater than swimming pools described below to discharge the water from such pools in such a manner that the discharged water shall flow beyond the property line of the parcel on which such pool is located unless the water flows directly into a paved area directly draining into a storm water sewer. This section shall apply to all pools which are larger than: (1) A round pool having a depth greater than one foot and a diameter greater than six feet. (2) An oblong or square pool which has a depth greater than one foot and a perimeter greater than 20 feet.
- Sec. 18-91.10 ANSI/APSP/ICC-7 2013 - American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs and Catch Basins is adopted.
- Sec. 18-91.11 Appendix A: Symbols is adopted.
- Sec. 18-91.12 Appendix B: Field Checklist for Identifying Suction Entrapment Hazards is adopted.
- Sec. 18-91.13 Appendix C: Entrapment Avoidance Warning Sign is adopted.
- Sec. 18-91.14 Appendix D: Sources of Material is adopted.

ARTICLE X. – PROPERTY MAINTENANCE CODE

- Sec. 18-100 **2018 INTERNATIONAL PROPERTY MAINTENANCE CODE - IPMC**
- Sec. 18-100.1 Adopted. The International Property Maintenance Code, 2018 edition, as published by the International Code Council, published in pamphlet form, is hereby adopted as the Property Maintenance Code of the Village of Hanover Park with such amendments as are set forth in this Article.
- Sec. 18-101 **AMENDMENTS TO THE 2018 INTERNATIONAL PROPERTY MAINTENANCE CODE - IPMC**
- Sec. 18-101.01 [A] 101.1 is amended to read as follows: Title. These regulations shall be known as the "Property Maintenance Code of the Village of Hanover Park," hereinafter referred to as "this code."
- Sec. 18-101.02 [A] 103.5 is amended to read as follows: Fees. The fees for activities and services performed by the department in carrying out its responsibilities under this Code shall be as established in other sections of the Municipal Code of Hanover Park. Refer to Sec. 18-200.
- Sec. 18-101.03 [A] 106.4 is amended by adding the following: Any person, firm, or corporation, who shall violate any provision of this Code shall, upon conviction thereof be subject to a fine of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars.
- Sec. 18-101.04 [A] 106.4 is amended as the following: Alternative Penalty. Any person pursuant to the issuance of a compliance ticket which is accused of a violation of any section of this Code may settle and compromise that ticket by paying to the village a fee of \$30.00 within ten days from the date such

alleged violation was committed or by paying to the village the sum of \$50.00 subsequent to said ten-day period prior to such person being issued a notice to appear or complaint. The issuance of a compliance ticket shall be as a courtesy in lieu of instituting a prosecution for the alleged offense. If the person accused of the violation does not settle the claim a notice to appear or complaint will be issued for that violation and that person shall be subject to the general penalties set forth in this section 18-101.4. Penalty. Any person, firm or corporation who shall violate any provision of this Code shall, upon conviction thereof, be subject to a fine of not less than \$75 dollars nor more than \$1,000 dollars.

- Sec. 18-101.05 109.6 is amended to read as follows: **Hearing.** Any person ordered to take emergency measures shall comply with such order forthwith.
- Sec. 18-101.06 Section 111 - Means of Appeal, is repealed and deleted from this code. Any person violating this code that has been issued a citation by an official of the Village of Hanover Park shall pay the required fine or appear before the Village of Hanover Park adjudicator at which time the violator can present his case for determination by the adjudicator. Any appeals will follow due process as determined by state statute.
- Sec. 18-101.07 [A] 112.4 is amended to read as follows: Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$100 or more than \$1,000.
- Sec. 18-101.08 302.4 is amended to read as follows: Weeds. All premises and exterior property shall be maintained free from weeds or plant growth in excess of eight (8) inches. All noxious weeds shall be prohibited. Weeds shall be defined as all grasses, annual plants and vegetation, other than trees or shrubs provided; however, this term shall not include cultivated flowers and gardens. Upon failure of the *owner* or agent having charge of a property to cut and destroy weeds after service of a notice of violation, they shall be subject to prosecution in accordance with Section 106.3 and as prescribed by the authority having jurisdiction. Upon failure to comply with the notice of violation, any duly authorized employee of the jurisdiction or contractor hired by the jurisdiction shall be authorized to enter upon the property in violation and cut an Upon failure of the owner or agent having charge of a property to cut and destroy weeds after service of a notice of violation, they shall be subject to prosecution in accordance with Section 106.3 and as prescribed by the authority having jurisdiction. Upon failure to comply with the notice of violation, any duly authorized employee of the jurisdiction or contractor hired by the jurisdiction shall be authorized to enter upon the property in violation and cut and destroy the weeds growing thereon, and the costs of such removal shall be paid by the owner or agent responsible for the property. Destroy the weeds growing thereon, and the costs of such removal shall be paid by the *owner* or agent responsible for the property.
- Sec. 18-101.09 302.8 is amended by adding the following: An inoperable motor vehicle, not in a garage, may be parked, kept, or stored if enclosed in a commercially-manufactured, opaque and form-fitting vehicle cover which covers the locations of the licenses. No more than one covered motor vehicle shall be lawfully parked on the property of each dwelling unit.
- Sec. 18-101.10 302.8.1 is added to read as follows: Parking. It shall be unlawful for the owner of property to allow parking of a motor vehicle upon any unimproved surface. As used in this section, the term "unimproved surface" includes, but is not limited to, grass and dirt surfaces or any other surface not in compliance with the pavement design standards in the Engineering Standards and Specifications

in Chapter 38 of the Code of Ordinances of the Village of Hanover Park.

- Sec. 18-101.11 302.8.2 is added to read as follows: Vehicle Parts and Snow Plows. It shall be unlawful for any person in a residence district to allow vehicle parts or accessories, whether covered or uncovered, to be located or stored on the front, side or corner side yard and that buildable area between the dwelling and those yards or upon any off-street parking facility. This prohibition shall not apply to detached snow plows located on the driveway between November 1, and April 30 of the next year.
- Sec. 18-101.12 302.9 is amended by adding the following: A. It shall be unlawful for the owner of any property to not remove or paint over any prohibited sign painted directly on an exterior wall of a building or on any structure upon that property. A prohibited sign includes but is not limited to any permanent display of any letter, numeral, figure, emblem, insignia, picture, outline, character, spectacle, delineation, announcement or any combination thereof which are painted of a color different from the color of the exterior of the structure on which it is painted, and which are visible beyond the boundaries of the property. A painted area on the side of a structure used to cover a prohibited sign which is a different color or surface material than the remaining exterior surface of that side of the structure is unlawful. B. When the owner of the property refuses or neglects to remove from the exterior of structures upon the owner's property any permanent display of a prohibited sign in compliance with the regulations of this code, the village may take the following enforcement actions. C. The village shall send notice by certified mail return receipt requested to the owner of the property if on file with the village clerk and the person in whose name the general taxes for the last proceeding year were paid or by regular mail to each business licensed by the village clerk on that property of the violation of this section and for its abatement within seven days from the postmark of said notice. D. If the owner does not abate the violation during the notice period, the village manager or his designee may proceed to abate such violation keeping an accounting of the expenses of the abatement which shall include an administrative fee of the greater of \$25.00 or ten percent of the cost of abatement. All expenses, including interest at the rate of ten percent per year, shall be charged to and paid by such owner. E. The expenses for abatement shall become a lien upon the property affected superior to all subsequent liens and encumbrances except tax liens, if the village files notice of lien in the office of the recorder in the county in which such real estate is located. The notice shall consist of a sworn statement setting out a description of the real estate, the amount of money representing the expenses incurred or payable for the service and the date or dates when such costs and expense was incurred by the village. However, the lien shall not be valid as to any purchaser whose rights in and to such real estate have arisen subsequent to the abatement and prior to the filing of such notice, and the lien shall not be valid as to any mortgagee, judgment creditor or other lien or whose rights in and to such real estate arose prior to the filing of such notice. F. Upon payment of the expenses by the owner of or persons interested in such property after notice of lien has been filed, the lien shall be released by the village and the release may be filed of record as in the case of filing notice of lien. The lien may be enforced at any time by a proceeding to foreclose as in the case of mortgages or mechanics liens.
- Sec. 18-101.13 302.10 is added to read as follows: Landscaping. A. Duty to prune. Trees, bushes or other shrubbery on private property adjacent to a street right-of-way shall be pruned in such a manner that it will not obstruct or shade the street lights, obstruct the passage of pedestrians on sidewalks or vehicles in the street, obstruct the ability to see traffic signs, obstruct the view of any intersection or create a public safety hazard. B. Turf maintenance. Areas where grass turf has been established shall be maintained without bare areas of soil or ruts caused by pedestrian or vehicle use.

- Sec. 18-101.14 302.11 is added to read as follows: Trees on commercial properties. Trees on commercial properties are the responsibility of the property owner and shall be maintained in a healthy condition. Trees on commercial properties are subject to all zoning regulations and any applicable development agreements with the Village of Hanover Park. Trees on commercial properties within the Village of Hanover Park shall also be subject to the following:
- Sec. 18-101.15 302.11.1 Certain dead trees declared a nuisance. All species and varieties of trees that are dead or substantially dead, and all deadwood to which the bark is still attached are hereby declared to be a public nuisance.
- Sec. 18-101.16 302.11.2 Disposition of trees. (A) It shall be unlawful for any owner of any commercial lot or commercial parcel of land in the village to permit or maintain on any such lot or parcel of land, any dead or substantially dead tree or dead wood which, pursuant to this subchapter, is a public nuisance, and it shall be the duty of any such owner to remove promptly and dispose of any such dead tree or deadwood under the supervision and direction of the Village Arborist or his/her duly authorized representative. (B) It shall be unlawful for any owner of any commercial lot or commercial parcel of land in the village to maintain on any such lot or parcel of land any tree that manifests an infestation of a destructive pest.
- Sec. 18-101.17 302.11.3 Right to enter premises and inspect trees.
- In order to carry out the purposes of this subchapter and to implement the enforcement thereof, the Village Arborist, or his/her duly authorized representative, is hereby authorized and empowered to enter upon any lot or parcel of land in the village at reasonable hours for the purpose of inspecting any tree or deadwood situated thereon and the Village Arborist, or his/her duly authorized representative, may remove such specimens from such tree for the purpose of laboratory or other analysis to determine whether such tree is infested, dead or substantially dead. It shall be unlawful for any person to take action to prevent the Village Arborist, or his/her duly authorized representative, from entering on any lot or parcel of land in the village for the purpose of such inspection, or to interfere with the Village Arborist, or such representative, in the performance of any of his/her duties provided for under the provisions of this subchapter.
- Sec. 18-101.18 302.11.4 Notice to owner of dead, or substantially dead, tree to comply with ordinance; failure to comply. (A) If a laboratory or other analysis of specimens removed from any tree by the Village Arborist, or his/her duly authorized representative, determines that such tree is a public nuisance pursuant to this subchapter, or if the Village Arborist determines that any dead or substantially dead tree, or dead wood, is a public nuisance as provided in this subchapter, the Village Arborist shall serve or cause to be served upon the person that is owner of the lot or parcel of land on which such tree or deadwood is located, a written notice requiring such owner to comply with the provisions of this subchapter. (B) If the person upon whom such notice is served fails, neglects or refuses to remove such tree or deadwood within thirty (30) calendar days or within any additional reasonable time as permitted in writing by the Village Arborist, or his/her duly authorized representative, after service of such notice, the Village Arborist, or his/her duly authorized representative, may proceed to remove and destroy such tree, or deadwood and assess the cost thereof against the owner of such parcel of land and the amount of such cost shall be paid by such owner to the village.
- Sec. 18-101.19 302.11.5 Service of notice. Service of the notice provided for in the preceding section shall be by personal service, if the owner of the lot or parcel of land on which dead or substantially dead tree, as aforesaid, is located is a resident of the village. If such owner cannot be found in the village, or is a

nonresident of the village, written notice shall be served by certified mail, addressed to the owner at his last known address, and by posting of the violation on the premises.

- Sec. 18-101.20 302.12 is added to read as follows: Outside storage during garage sales. It shall be unlawful for any person in conducting a garage or other occasional sale on premises zoned or used for residential purposes to display: (1) Or store any goods or merchandise outside the dwelling in the front, side, or corner side yard between the hours of 8:00 p.m. to 7:00 a.m. (2) Any goods or merchandise on any public sidewalk or right-of-way.
- Sec. 18-101.21 304.3.1 is added as follows: Street numbers. Each commercial building or industrial building shall have the street address posted at the main entry. When a commercial or industrial building has two or more businesses in that building, with separate street addresses each business shall have the street address posted at the main entry of each business. When there is vehicular access at the rear of the building the address shall also be posted at the rear entry or garage door of each unit. Each unit shall have its own address or suite number.
- Sec. 18-101.22 304.3.2 is added as follows: Street numbers. Each multi-unit residential building shall display the unit address on the outside of or nearby each main entrance door. When there is vehicular access at the rear of the building the address shall also be posted at the rear entry or garage door of each unit. Each dwelling unit shall have its own address or suite number.
- Sec. 18-101.23 304.3.3 is added as follows. Premises identification. Numbers shall not be less than 6" high when the address numerals are set back more than 50 feet from the street or as determined as necessary by the code official.
- Sec. 18-101.24 304.10.1 is added to read as follows: Balconies. It shall be unlawful for the owner, lessee, and/or occupant of any premises to permit or use any exterior balcony for the placement or storage of any items except furniture made specifically for outdoor use, decorative plants (whether real or artificial), and no more than two grills, provided any of the foregoing are not otherwise prohibited elsewhere in the ordinances, codes, or regulations of the village. Further, clothing, laundry, or textiles (except a textile designed for outdoor use as an original part of the outdoor furniture) are prohibited on any exterior balcony. Additionally, no items at any time are permitted to hang over the floor or railing of the balcony or any appurtenant structure or attachment to the balcony with the exception of holiday lights in compliance with the existing village ordinance. There shall be a rebuttable presumption that the owner of the real estate shall be liable under this provision.
- Sec. 18-101.25 304.14 is amended to read as follows: Insect screens. Every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas or any areas where products to be included or utilized in food for human consumption are processed, manufactured, packaged or stored, shall be supplied with approved tightly-fitting screens of not less than 16 mesh per inch (16 mesh per 25 mm) and every swinging door shall have a self-closing device in good working condition. Exception: Screen doors shall not be required where other approved means, such as air curtains or insect repellent fans, are employed. Screens shall be in place at all times of the year or readily available for installation. Screens shall be kept in good repair.
- Sec. 18-101.26 308.3.2.1 is added to read as follows: Additional non-dumpster container(s) may be required by the code official for public use to prevent littering or disposal of trash in parking lots, roadways or other

publicly-accessible areas on commercial properties.

- Sec. 18-101.27 308.3.2.2 is added to read as follows: Container type. Non-dumpster commercial garbage/refuse containers shall be decorative and made of durable, easily cleaned, insect and rodent-proof material that does not leak nor absorb liquids. The container shall have a cover to prevent garbage/refuse from blowing or falling out of the receptacle. Plastic bags or high wet strength paper bags shall be used to line the container.
- Sec. 18-101.28 308.3.2.3 is added to read as follows: Location. Non-dumpster commercial garbage/refuse containers shall be placed in a location approved by the code official that does not obstruct accessibility, inhibit paths of egress leading from the building and shall not create a traffic hazard or other public safety concern
- Sec. 18-101.29 308.3.2.4 is added to read as follows: Responsibility. Non-dumpster commercial Garbage/refuse containers shall be the responsibility of the property owner or property managing agent. The owner or managing agent is responsible for emptying waste from the container as frequently as necessary, but not less than once per week, to prevent a public hazard or health issue. The owner or managing agent is responsible for the container(s) and their replacement when damaged.
- Sec. 18-101.30 507.2 is added to read as follows: Sump pump discharge. The point of discharge of any new or existing sump pump shall not be less than five feet from any lot line or 10 feet from any public sidewalk or roadway.
- Sec. 18-101.31 602.3 is amended by inserting from October 1 through April 30 for the dates when heat shall be maintained.
- Sec. 18-101.32 602.4 is amended to read as follows: Occupiable work spaces. Indoor occupiable work spaces shall be supplied with heat during the period from October 1 through April 30 to maintain a temperature of not less than 65°F. (18°C.) during the period the spaces are occupied. Exceptions: (1) Processing, storage and operation areas that require cooling or special temperature conditions. (2) Areas in which persons are primarily engaged in vigorous physical activities.
- Sec. 18-101.33 705.3 is added as follows: Carbon Monoxide Detectors. Definitions. (a) Approved carbon monoxide alarm or alarm means a carbon monoxide alarm that complies with all the requirements of the rules and regulations of the Illinois State Fire Marshal, bears the label of a nationally-recognized testing laboratory, and complies with the most recent standards of the Underwriters Laboratories or the Canadian Standard Association. (b) Dwelling unit means a room or suite of rooms used for human habitation and includes a single-family residence as well as each living unit of a multiple-family residence and each living unit in a mixed-use building. Requirements. (a) Every dwelling unit shall be equipped with at least one approved carbon monoxide alarm in an operating condition within 15 feet of every room used for sleeping purposes. The carbon monoxide alarm may be combined with smoke-detecting devices provided that the combined unit complies with the respective provisions of this Code, reference standards, and village rules relating to both smoke-detecting devices and carbon monoxide alarms and provided that the combined unit emits an alarm in a manner that clearly differentiates the hazard. (b) Every structure that contains more than one dwelling unit shall contain at least one approved carbon monoxide alarm in operating condition within 15 feet of every room used for sleeping purposes. (c) It is the responsibility of the owner of a structure to supply and install all required alarms. It is the responsibility of a tenant to test and to provide general maintenance for the alarms within the tenant's dwelling unit or rooming unit, and to

notify the owner or the authorized agent of the owner in writing of any deficiencies that the tenant cannot correct. The owner is responsible for providing one tenant per dwelling unit with written information regarding alarm testing and maintenance. The tenant is responsible for replacement of any required batteries in the carbon monoxide alarms in the tenant's dwelling unit; except that the owner shall ensure that the batteries are in operating condition at the time the tenant takes possession of the dwelling unit. The tenant shall provide the owner or the authorized agent of the owner with access to the dwelling unit to correct any deficiencies in the carbon monoxide alarm that have been reported in writing to the owner or the authorized agent of the owner. (d) The carbon monoxide alarms required under this Act may be either battery powered, plug-in with battery back-up, or wired into the structure's AC power line with secondary battery back-up. **Violation.** (a) It shall be unlawful to willfully fail to install or maintain in operating condition any carbon monoxide alarm required by this Act. (b) It shall be unlawful to tamper with, remove, destroy, disconnect, or remove the batteries from any installed carbon monoxide alarm, except in the course of inspection, maintenance, or replacement of the alarm. Exemptions. The following residential units shall not require carbon monoxide detectors: (a) A residential unit in a building that: (1) does not rely on combustion of fossil fuel for heat, ventilation, or hot water; (2) is not connected in any way to a garage; and (3) is not sufficiently close to any ventilated source of carbon monoxide, as determined by the local code official, to receive carbon monoxide from that source. (b) A residential unit that is not sufficiently close to any source of carbon monoxide so as to be at risk of receiving carbon monoxide from that source, as determined by the local code official.

Sec. 18-101.34 APPENDIX A - BOARDING STANDARD is adopted.

ARTICLE XI. – PRIVATE DISPOSAL CODE

Sec. 18-110 **2018 INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE - IPSDC**

Sec. 18-110.1 Adopted. The International Private Sewage Disposal Code, 2018 edition, as published by the International Code Council, published in pamphlet form, is hereby adopted as the Private Sewage Disposal Code of the Village of Hanover Park with such amendments as are set forth in this Article. New private waste disposal systems are prohibited. The construction of new private waste disposal systems shall not be permitted in the village. All buildings using private waste disposal systems, including septic systems, which subsequently connect or have connected to the municipal sanitary sewer system shall disconnect all use of the private waste disposal system in compliance with section Sec. 106-160. – Private sewerage disposal. The IPSDC shall be used at the digression of the Code Official for the repair and maintenance of existing systems only.

Sec. 18-111 **AMENDMENTS TO THE 2018 INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE - IPSDC**

Sec. 18-111.01 [A] 101.1 Title. These regulations shall be known as the Private Sewage Disposal Code of Hanover Park hereinafter referred to as “this code.” The IPSDC shall be used at the digression of the Code Official for the repair and maintenance of existing systems only. New private waste disposal systems are prohibited. Additions to existing systems are prohibited. Replacement of existing systems is prohibited. If a private sewerage disposal system fails, the property owner shall connect to the Village of Hanover Park Sanitary Sewer System.

Sec. 18-111.02 [A] 106.4.2 Fee schedule.

Sec. 18-111.03 [A] 106.4.2 Fee schedule is amended to read as follows: The fees for work shall be as indicated in

Hanover Park, Illinois, Code of Ordinances Section 18-200.

- Sec. 18-111.04 [A] 106.4.3 is amended to read as follows: The code official may authorize the refunding of fees as allowed by ordinance.
- Sec. 18-111.05 [A] 108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.
- Sec. 18-111.06 [A] 108.5 is amended to read as follows: Upon notice from the code official that mechanical work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping work. Any person who shall continue any work on the system after having been served a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than one hundred (\$100.00) dollars or more than one thousand (\$1,000.00) dollars.
- Sec. 18-111.07 405.2.5 Observations. This section shall be revised to read, "Dates shall be determined by the requirements of Cook County or DuPage County depending on the location of the property."
- Sec. 18-111.08 405.2.6 Reporting data. This section shall be revised to read, "Dates shall be determined by the requirements of Cook County or DuPage County depending on the location of the property."
- Sec. 18-111.09 APPENDIX A - SYSTEM LAYOUT ILLUSTRATIONS is adopted.
- APPENDIX B - TABLES FOR PRESSURE DISTRIBUTION SYSTEMS is adopted.

ARTICLE XII. – PERFORMANCE CODE

- Sec. 18-120 **2018 ICC PERFORMANCE CODE FOR BUILDINGS AND FACILITIES - ICCPC**
- Sec. 18-120.01 The 2018 INTERNATIONAL CODE COUNCIL PERFORMANCE CODE FOR BUILDINGS AND FACILITIES is adopted. The purpose of the International Code Council Performance Code for Buildings and Facilities (ICCPC) is to promote innovative, flexible and responsive solutions that optimize the expenditure and consumption of resources while preserving social and economic value. This approach is unique to the structure of a performance-based code. The ICCPC shall be used at the discretion of the Code Official.
- Sec. 18-121 **AMENDMENTS TO THE 2018 ICC PERFORMANCE CODE FOR BUILDINGS AND FACILITIES - ICCPC**
- Sec. 18-121.01 [A] 101.1 Title. These regulations shall be known as the Performance Code of the Village of Hanover Park, hereinafter referred to as "this code."

- Sec. 18-121.02 APPENDIX A - RISK FACTORS OF USE AND OCCUPANCY CLASSIFICATIONS is adopted.
- Sec. 18-121.03 APPENDIX B - WORKSHEET FOR ASSIGNING SPECIFIC STRUCTURES TO PERFORMANCE GROUPS is adopted.
- Sec. 18-121.04 APPENDIX C - INDIVIDUALLY SUBSTANTIATED DESIGN METHOD is adopted.
- Sec. 18-121.05 APPENDIX D - QUALIFICATION CHARACTERISTICS FOR DESIGN AND REVIEW OF PERFORMANCE-BASED DESIGNS is adopted.
- Sec. 18-121.06 APPENDIX E - USE OF COMPUTER MODELS is adopted.
- Sec. 18-121.07 2018 INTERNATIONAL CODE COUNCIL PERFORMANCE CODE FOR BUILDINGS AND FACILITIES USER'S GUIDE, APPENDIX A - RISK FACTORS OF USE AND OCCUPANCY CLASSIFICATIONS, APPENDIX B - WORKSHEET FOR ASSIGNING SPECIFIC STRUCTURES TO PERFORMANCE GROUPS, APPENDIX C - INDIVIDUALLY SUBSTANTIATED DESIGN METHOD, APPENDIX D - QUALIFICATION CHARACTERISTICS FOR DESIGN AND REVIEW OF PERFORMANCE-BASED DESIGNS, APPENDIX E - USE OF COMPUTER MODELS, and REFERENCES are adopted.

ARTICLE XIII. – WILDLAND URBAN INTERFACE CODE

- Sec. 18-130 **2018 INTERNATIONAL WILDLAND URBAN INTERFACE CODE - IWUIC**
- Sec. 18-130.01 The 2018 International Wildland Urban Interface Code - IWUIC is adopted. The International Wildland-Urban Interface Code (IWUIC) establishes minimum requirements for land use and the built environment in designated wildland-urban interface areas using prescriptive and performance-related provisions. The IWUIC shall be used at the discretion of the Code Official.
- Sec. 18-131 **AMENDMENTS TO THE 2018 INTERNATIONAL WILDLAND URBAN INTERFACE CODE - IWUIC**
- Sec. 18-131.01 [A] 101.1 Title. These regulations shall be known as the Wildland-Urban Interface Code of the Village of Hanover Park hereinafter referred to as "this code."
- Sec. 18-131.02 [A] 103.1 Creation of enforcement agency. The department of Inspectional Services is hereby created and the official in charge thereof shall be known as the code official.
- Sec. 18-131.03 [A] 110.4.7 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.
- Sec. 18-131.04 [A] 114.4 Failure to comply. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code shall be subject to fines of not less than one hundred (\$100.00) dollars nor more than one thousand (\$1,000.00) dollars, and each day a violation continues shall be considered a separate violation.

- Sec. 18-131.05 APPENDIX A - GENERAL REQUIREMENTS is adopted.
- Sec. 18-131.06 APPENDIX B - VEGETATION MANAGEMENT PLAN is adopted.
- Sec. 18-131.07 APPENDIX C - FIRE HAZARD SEVERITY FORM is adopted.
- Sec. 18-131.08 APPENDIX D - FIRE DANGER RATING SYSTEM is adopted.
- Sec. 18-131.09 APPENDIX E - FINDINGS OF FACT may be referred to by the Code Official.
- Sec. 18-131.10 APPENDIX F - CHARACTERISTICS OF FIRE-RESISTIVE VEGETATION may be referred to by the Code Official.
- Sec. 18-131.11 APPENDIX G - SELF-DEFENSE MECHANISM may be referred to by the Code Official.
- Sec. 18-131.12 APPENDIX H - INTERNATIONAL WILDLAND-URBAN INTERFACE CODE FLOWCHART may be referred to by the Code Official.

ARTICLE XIV. – GREEN CODE

Sec. 18-150 2018 INTERNATIONAL GREEN CONSTRUCTION CODE

- Sec. 18-150.1 The 2018 International Green Construction Code is adopted and this code is designed to meet this need through model code regulations that contain clear and specific requirements with provisions that promote safe and sustainable construction in an integrated fashion with the ICC Family of Codes. This code shall NOT be mandatory except whenever any applicant for a permit states that the proposed work being done under the permit will meet or exceed the specified requirements of the International Green Construction Code or that the project meets National Green Building Standards or has achieved a Bronze, Silver, Gold or Emerald rating, at which time this code shall be adhered to.

Sec. 18-151 AMENDMENTS TO THE INTERNATIONAL GREEN CONSTRUCTION CODE, IGCC

- Sec. 18-151.01 101.1 Title. These regulations shall be known as the International Green Construction Code of the Village of Hanover Park hereinafter referred to as “this code.”
- Sec. 18-151.02 101.2 (1.) Purpose. 101.2.1 (1.1) The purpose of this code is to provide minimum requirements for the siting, design, construction, and plans for operation of high-performance green buildings to: reduce emissions from buildings and building systems; enhance building occupant health and comfort; conserve water resources; protect local biodiversity and ecosystem services; promote sustainable and regenerative materials cycles; enhance building quality; enhance resilience to natural, technological, and human-caused hazards; and support the goal of development that meets the needs of the present without compromising the ability of future generations to meet their own needs.
- Sec. 18-151.03 101.3.2 (2.2) The provisions of this code do not apply to the following: 1. Single-family dwellings. 2. Multifamily dwellings of three stories or fewer above grade. 3. Manufactured houses (modular). 4. Building projects that use none of the following: 1. Electricity. 2. Fossil fuels. 3. Water.
- Sec. 18-151.04 102.4 Referenced codes and standards is revised by adding the currently adopted State of Illinois Plumbing Code with Hanover Park amendments and the State of Illinois Accessibility Code.

- Sec. 18-151.05 103.4 is amended by adding the following: A third party review to verify the design and compliance shall be paid for by the applicant. A copy of the evaluation shall be submitted to the Village of Hanover Park with the plans for the proposed work at the time of permitting.
- Sec. 18-151.06 107.1 is amended by adding the following: At the time of final inspection, the applicant shall hire a third party to prepare a summary of all work completed including the justification of all points achieved and summation for establishment of the rating level per the National Green Building Standard.
- Sec. 18-151.07 SECTION 108 - BOARD OF APPEALS, is amended by deleting this section and inserting: The Village Board shall be the Board of Appeals.
- Sec. 18-151.08 APPENDIX A CLIMATE ZONES AND PRESCRIPTIVE BUILDING ENVELOPE AND DUCT INSULATION TABLES is adopted.
- Sec. 18-151.09 APPENDIX B - PRESCRIPTIVE EQUIPMENT EFFICIENCY TABLES FOR THE ALTERNATE REDUCED RENEWABLES AND INCREASED EQUIPMENT EFFICIENCY APPROACH IN SECTION 701.4.1.1.2 (7.4.1.1.2) is adopted.
- Sec. 18-151.10 APPENDIX C - PERFORMANCE OPTION FOR ENERGY EFFICIENCY is adopted.
- Sec. 18-151.11 APPENDIX D - BUILDING CONCENTRATIONS is adopted.
- Sec. 18-151.12 APPENDIX E - BUILDING ENVELOPE TABLES may be referenced by the Code Official.
- Sec. 18-151.13 APPENDIX F - INTEGRATED DESIGN may be referenced by the Code Official.
- Sec. 18-151.14 APPENDIX G - INFORMATIVE REFERENCES may be referenced by the Code Official.
- Sec. 18-151.15 APPENDIX H - OPTION FOR ENERGY EFFICIENCY USING THE IECC PRESCRIPTIVE COMPLIANCE PATH is adopted.
- Sec. 18-151.16 APPENDIX I - ADDITIONAL GUIDANCE FOR FUNCTIONAL AND PERFORMANCE TESTING (FPT) AND THE COMMISSIONING (CX) PROCESS may be referenced by the Code Official.
- Sec. 18-151.17 APPENDIX J - OPTION FOR RESIDENTIAL COMPLIANCE USING THE NATIONAL GREEN BUILDING STANDARD is adopted.
- Sec. 18-151.18 APPENDIX K - ADDENDA DESCRIPTION INFORMATION may be referenced by the Code Official.
- Sec. 18-151.19 ANNEX 1 - REFERENCED STANDARD REPRODUCTION ANNEX ASHRAE STANDARD 169 may be referenced by the Code Official.
- Sec. 18-155 **ICC/ASHRAE 700-2015 NATIONAL GREEN BUILDING STANDARD**
- Sec. 18-155.1 The ICC/ASHRAE 700-2015 National Green Building Standard uses a point-based system that can be used to rate a home or building so that it can attain one of four rating levels – Bronze, Silver, Gold or Emerald, depending on the green practices achieved. This Standard shall NOT be mandatory except whenever any applicant for a permit states that the project is being constructed to meet the National Green Building Standards or has achieved a Bronze, Silver, Gold or Emerald rating, at

which time this code shall be adhered to. This code may be referenced at any time by the Code Official

Sec. 18-156 AMENDMENTS TO THE ICC/ASHRAE 700-2015 NATIONAL GREEN BUILDING STANDARD

- Sec. 18-156.01 101.2 Scope is amended by adding the following: This code shall apply whenever any applicant for a permit states that the proposed work being done under the permit will meet or exceed the specified requirements of the International Green Construction Code or that the project meets National Green Building Standards or has achieved a Bronze, Silver, Gold or Emerald rating, at which time this code shall be adhered to.
- Sec. 18-156.02 102.1 Mandatory Practices is amended by adding the following: This code shall NOT be mandatory except whenever any applicant for a permit states that the proposed work being done under the permit will meet or exceed the specified requirements of the International Green Construction Code or that the project meets National Green Building Standards or has achieved a Bronze, Silver, Gold or Emerald rating, at which time this code shall be adhered to.
- Sec. 18-156.03 102.3 Documentation is amended by adding the following: At the time of final inspection, the applicant shall hire a third party to prepare a summary of all work completed including the justification of all points achieved and summation for establishment of the rating level per the National Green Building Standard.
- Sec. 18-156.04 Appendix A – Ducted Garage Exhaust Fan Sizing Criteria is adopted.
- Sec. 18-156.05 Appendix B – Whole Building Ventilation System Specifications is adopted.
- Sec. 18-156.06 Appendix C – Climate Zones is adopted.
- Sec. 18-156.07 Appendix D – Examples of Third-Party Programs for Indoor Environmental Quality is adopted.
- Sec. 18-156.08 Appendix E – Accessory Structures is adopted.

ARTICLE XV. – ELECTRICAL CODE

Sec. 18-160 2017 NATIONAL ELECTRICAL CODE – NFPA 70 - FOR ALL WORK NOT COVERED BY THE CURRENTLY ADOPTED IRC

- Sec. 18-160.1 Adopted: The regulations of the 2017 edition of the National Electrical Code, 2017 NEC, as recommended and published by the National Fire Protection Association, published in pamphlet form, are adopted as the regulations governing the installation, alteration, and use of electrical conductors, equipment, raceways, and systems in the village with such amendments as are hereafter set forth below.

Sec. 18-161 AMENDMENTS TO THE 2017 NATIONAL ELECTRICAL CODE – NFPA 70

- Sec. 18-161.01 90.4 - Enforcement is amended by adding: Upon notice from the code official that electrical work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the condition under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping work. Any person who shall continue

any electrical work after having been served a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than one hundred (\$100.00) dollars or more than one thousand(\$1,000.00) dollars.

- Sec. 18-161.02 210.11 (4) shall be revised by requiring at least 2 branch circuits to a garage in lieu of one. One circuit for power and one circuit for lighting.
- Sec. 18-161.03 220.14 is amended by adding the following: (M) Dedicated circuits: All dedicated circuits shall be wired to a single receptacle outlet, i.e., microwave, sump, or ejector pump.
- Sec. 18-161.04 230.11 is added to read as follows: Service entrance conductor and cable: No EMT for any service entrance is allowed. No service entrance cable is allowed.
- Sec. 18-161.05 230.12 is added to read as follows: The minimum size conduit for 100-amp services is one and one-fourth inch.
- Sec. 18-161.06 230.13 is added to read as follows: Service entrance connectors: The use of no-thread connectors on the line side of the service or main breaker is not allowed.
- Sec. 18-161.07 230.67 is added to read as follows: Grounding bushing: Grounding bushings are required on all concentric and eccentric knockouts used in the meter socket and breaker panel, with a bonding jumper sized appropriately.
- Sec. 18-161.08 310.2(B) is amended to read as follows: Conductors in this article shall be copper and not aluminum or copper-clad aluminum except when supplied by the utility company and when located on the utility side of the meter.
- Sec. 18-161.09 314.20 is amended by adding the following: All ceiling boxes to be fan rated except hallways and closets.
- Sec. 18-161.10 330 (Type MC) is not permitted. All wiring systems shall be installed in a metal raceway or conduit.
- Sec. 18-161.11 332 (Type MI) is not permitted. All wiring systems shall be installed in a metal raceway or conduit.
- Sec. 18-161.12 334 (Type NM, NMC, NMS) is not permitted. All wiring systems shall be installed in a metal raceway or conduit.
- Sec. 18-161.13 352.12 is amended by adding the following: (F) The use of plastic pipe and electric boxes is not allowed above grade except for special locations as approved by the Code Official. Plastic pipe which is listed for below grade can be used when buried 18 inches. It shall have a ground conductor installed, and it shall transition to a metal pipe before the elbow, which turns up.
- Sec. 18-161.14 680.40 is amended by adding the following: Spa and tubs general: The equipment shall connect to the electric system with a single receptacle outlet with a GFCI-protected circuit breaker. The connection shall be accessible.
- Sec. 18-161.15 Informative Annex A: Product Safety Standards is adopted.
- Sec. 18-161.16 Informative Annex B: Application Information for Ampacity Calculation is adopted.
- Sec. 18-161.17 Informative Annex C: Conduit and Tubing Fill Tables for Conductors and Fixture Wires of the Same

Size is adopted.

- Sec. 18-161.18 Informative Annex D: Examples is adopted.
- Sec. 18-161.19 Informative Annex E: Types of Construction is adopted.
- Sec. 18-161.20 Informative Annex F: Availability and Reliability for Critical Operations Power Systems; and Development and Implementation of Functional Performance Test (FTP's) for Critical Operations Power Systems is adopted.
- Sec. 18-161.21 Informative Annex G: Supervisory Control and Data Acquisition (SCADA) is adopted.
- Sec. 18-161.22 Informative Annex H: Administration and Enforcement is adopted.
- Sec. 18-161.23 Informative Annex I: Recommended Tightening Torque Tables from UL Standard 486A-B is adopted.
- Sec. 18-161.24 Informative Annex J: ADA Standards for Accessible Design is adopted.
- Sec. 18-180 Adoption of the 2018 Life Safety Code – NFPA 101 by the Village of Hanover Park.
- Sec. 18-181 Application of the Life Safety Code by the Village of Hanover Park. Per section 100.9 of the State of Illinois Adopting Ordinance, the Code Official may use a newer edition of NFPA 101, Life Safety Code. Whenever a conflict exists between the Life Safety Code and another code adopted by the Village of Hanover Park, the Code Official shall determine which code is more stringent or provides improved life safety and shall apply that code.

ARTICLE XVI. – BUILDING AND DEVELOPMENT FEES

Sec. 18-200 BUILDING AND DEVELOPMENT SCHEDULE OF FEES

- Sec. 18-200.01 Building permit and inspection fees: All applications for building permits shall be accompanied by complete and finalized plans and specifications. No permit shall be issued except upon prior payment of the total building fee required by the following schedule. The fee schedule set forth hereafter is cumulative and is in addition to all other fees required by applicable provisions of the Municipal Code, unless specifically noted to the contrary. All fees and expenses imposed by this Code, including permit and inspection fees, repair of damage to village property and other village expenses, shall be the responsibility of the holder of the building permit and the owner who shall indemnify the village.

Sec. 18-201 PLAN REVIEW FEES FOR A BUILDING PERMIT

- Sec. 18-201.01 Plan Review Fee, Residential Remodeling for work less than \$500 N/C
- Sec. 18-201.02 Plan Review Fee, Residential Remodeling for work greater than \$500, \$50 minimum or 10% of the permit fee, whichever is greater \$50 min or 10%

Sec. 18-201.03	Plan Review Fee, New Residential Construction, Minimum	\$75
Sec. 18-201.04	Plan Review Fee, Commercial Remodeling, Minimum	\$100
Sec. 18-201.05	Plan Review Fee, New Commercial, Minimum	\$150
Sec. 18-201.06	Plan Review Fee, Commercial, 10% of permit fee if greater than base fee	10% of permit fee
Sec. 18-201.07	Mechanical Review Fee, 25% of Base Review Fee	25% of PR Fee
Sec. 18-201.08	In House Fire Protection review fee, 25% of Base Review Fee	25% of PR Fee
Sec. 18-201.09	Plumbing Review, 25% of Base Review Fee	25% of PR Fee
Sec. 18-201.10	Electrical Review, 25% of Base Review Fee	25% of PR Fee
Sec. 18-201.11	Health Department, 25% of Base Review Fee, Minimum	\$50 minimum
Sec. 18-201.12	Plan Review Fee Reduction of 50% for over 20 duplicate dwelling units	50%
Sec. 18-202	PERMIT FEES FOR A BUILDING PERMIT - GENERAL	
Sec. 18-202.01	The Building Permit Fee shall be \$12.00 per \$1,000.00 of the total construction cost for general construction projects but shall be not less than \$50.00. The total construction cost for new construction projects shall be based on the most recent Building Valuation Data Report (BVD), as published by the International Code Council (ICC) as posted on the ICC website. The cost of construction for remodeling projects shall be based on the cost of the work being done. The total construction cost for alterations, remodeling, repairs or demolition of an existing structure or system shall be the actual costs subject to review and adjustment by the building official if the costs submitted on the permit application do not reflect the actual costs.	\$50 min or \$12 per thousand of the cost of construction
Sec. 18-202.02	The fee for issuance of a final certificate of occupancy shall be \$100.00 when not included with the building permit at the time of final inspection.	<
Sec. 18-203	REINSPECTION FEE and MISCELLANEOUS INSPECTION FEE	
Sec. 18-203.01	A reinspection fee of \$50 may be charged whenever an inspection has been scheduled and the following has occurred. 1. The work is not ready for inspection. 2. The inspector is not given access to inspect the work. 3. The work done does not match what was approved at the time of permitting. The fee of \$50.00 will be charged for all miscellaneous inspections. This fee shall be paid before inspections can be made. Reinspection fees	\$50 per reinspection
Sec. 18-203.02	Additional charges for building inspections made on Saturday, Sunday or a holiday. There is hereby established as an additional fee, to be paid before any building inspection occurs on a Saturday, Sunday, or holiday, the following: (1)	<

The hourly wage of the assigned inspector multiplied by the factor of 2, plus the amount, if any, of any additional costs incurred by the village, for any employee benefits to be paid as a result of such employee being employed for such additional time for any inspection to occur on a day established as a holiday pursuant to the personnel rules and regulations of the village. (2) The minimum amount to be so prepaid by the person requesting such inspection shall be calculated by the building official in accordance with the applicable provisions of the personnel code of the village. (3) In the event the time spent by such inspector exceeds the additional inspection fee so prepaid, such additional amount shall be paid to the village before an occupancy permit for the inspected premises is issued. (b) Any person who requests an inspection to occur on a Saturday, Sunday or holiday shall submit a written request for such inspection and pay the additional fee required pursuant to the provisions hereof, on or before 12:00 p.m. of Friday, or the last regularly scheduled workday, preceding a holiday, whichever is appropriate. (c) The building official or his designated agent shall determine if village personnel can be provided and shall notify the person requesting such inspection whether or not such inspection can be provided.

Sec. 18-204	MISCELLANEOUS FEES	-
Sec. 18-204.01	AIR COMPRESSOR, Commercial per unit	\$35
Sec. 18-204.02	CELL TOWER WORK, 1.5% MIN \$100	\$100
Sec. 18-204.03	CONDO PRESALE FILING FEE	\$50
Sec. 18-204.04	DECK, \$50 PR+1.2% or \$50 min	\$100
Sec. 18-204.05	DETACHED GARAGE, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.06	DRIVEWAY, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.07	ELEC, MISC, \$50 PR+1.2% or \$50 min	\$30
Sec. 18-204.08	ELEC SERV=100 AMP, \$50 PR+1.2% or \$50 min	\$100
Sec. 18-204.09	ELEC SERV=200 AMP, \$50 PR+1.2% or \$50 min	\$100
Sec. 18-204.10	ELEC SERV>200, \$50 PR+1.2% or \$100 min	\$150
Sec. 18-204.11	ELEC, 15 & 20 AMP CIRCUITS, \$8/ckt, Min \$50	\$8
Sec. 18-204.12	ELEC > 20 AMP CIRCUITS, \$16/ckt, Min \$50	\$16
Sec. 18-204.13	ELEC, FIRST MOTOR, Min \$50	\$15 ea. \$50 min
Sec. 18-204.14	ELEC, ADDITIONAL MOTORS	\$5

Sec. 18-204.15	ELEC, MISC INSPECTIONS	\$50
Sec. 18-204.16	ELEVATOR, NEW INSTALL, consultant fee + 1.2% or \$50 min	\$50
Sec. 18-204.17	ELEVATOR SEMIANNUAL INSPECTION	\$50
Sec. 18-204.18	FENCE PER 250 LF, \$50PR+1.2% or \$50min	\$50
Sec. 18-204.19	FINAL CERTIFICATE OF OCCUPANCY	\$100
Sec. 18-204.21	FIRE ALARM, In house review and permit	\$100
Sec. 18-204.22	FIRE ALARM, Pay Consultant Direct + \$50	\$50
Sec. 18-204.23	FIRE SPRINKLER, In house review + permit	\$100
Sec. 18-204.24	FIRE SPRINKLER, Pay Consultant Direct + \$50	\$50
Sec. 18-204.25	FIRE SPRINKLER WATER SUPPLY	\$100
Sec. 18-204.26	FIREPLACE ONLY, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.27	GASOLINE HOSE UNIT, per each hose	\$50
Sec. 18-204.28	HOT TUB/JACUZZI, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.29	HVAC REPLACEMENT, Furnace or A/C or Both	\$75
Sec. 18-204.30	LAWN SPRINKLER SYS, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.31	MOVING STRUCTURE ON SAME LOT	\$100
Sec. 18-204.32	MOVING STRUCTURE OFF LOT	\$300
Sec. 18-204.33	NEW BUSINESS INSPECTION	N/C
Sec. 18-204.34	PARKING LOT, new/resurface, \$100PR+1.2%min\$50	\$100
Sec. 18-204.35	PATIOS, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.36	PLUMB WORK ONLY, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.37	PORCHES, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.38	PUBLIC WALK, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.39	RE-INSPECTION FEE FOR 2ND FAIL	\$50
Sec. 18-204.40	RE-ROOF COMMERCIAL	\$100
Sec. 18-204.41	RE-ROOF HOUSE incl Garage	\$50
Sec. 18-204.42	RE-ROOF porch or shed < 150 sf	N/C

Sec. 18-204.43	RETAINING WALLS, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.44	SATELLITE DISH > 30"	N/C
Sec. 18-204.45	SHED <=150 SF, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.46	SHORING, RAISING, UNDERPINNING, 1 to 100 lf	\$100
Sec. 18-204.47	SIDING/BRICK/VENEER	\$50
Sec. 18-204.48	STAIRS, \$50PR+1.2% or \$50min	\$50
Sec. 18-204.49	SWIMMING POOL, AG, \$50PR+1.2% or \$50min	\$100
Sec. 18-204.50	SWIMMING POOL, IN GROUND, \$50PR+1.2% or \$125min	\$175
Sec. 18-204.51	TELECOMM Facilities License Fee \$1500 or 2%	<
Sec. 18-204.52	Telecomm Construction Permit Fee at 1.5%	<
Sec. 18-204.53	Telecomm Consultant at cost	<
Sec. 18-204.54	TEMPORARY OCCUPANCY COMMERCIAL	\$350
Sec. 18-204.55	TEMPORARY OCCUPANCY RESIDENTIAL, per unit	\$100
Sec. 18-204.56	TEMPORARY TENT \$35 + \$100 BOND	\$135
Sec. 18-204.57	UNDERGROUND STORAGE TANK, 0 to 1000 gal	\$50
Sec. 18-204.58	UNDERGROUND STORAGE TANK, per each 1000	\$20
Sec. 18-204.59	VEHICLE SERVICE LIFT, per lift in addition to above	\$50
Sec. 18-204.60	WORKING WITHOUT PERMIT - Any person that performs work without obtaining a permit as required by this code shall pay a permit fee double the amount of fee calculated for the work in accordance with the schedule set forth herein. A second violation of the offense within a 12-calendar-month period shall require payment of a fee quadruple the amount of the standard fee or a minimum of \$150.00, whichever is greater.	Double base permit fee first occurrence, quadruple for second occurrence
Sec. 18-205	SIGN FEES	
Sec. 18-205.01	The permit fee of non-illuminated signs with values of up to \$1,500.00 shall be \$35.00.	\$35
Sec. 18-205.02	There shall be an additional charge of \$0.50 per square foot for all illuminated signs.	+\$0.50 / sf
Sec. 18-205.03	There shall be an additional charge for change of copy or message of sign as follows: a. Wall signs: \$35.00 plus \$0.02 per square foot or fraction thereof; and b.	\$35 + \$0.02/sf

	Freestanding signs (including legal non-conforming billboard(s): \$35.00 plus \$0.03 per square foot or fraction thereof. As to legal non-conforming off premise signs, each time there is a change of copy or message, among other matters, an inspection of the sign structure shall be made to determine the status at the time of inspection as to whether the sign constitutes a legal non-conforming sign or has become illegal. The inspector shall memorialize the status of the signs legal non-conformance or illegal status following the inspection. No permit may be issued if the sign is determined to be illegal and not legally non-conforming. There shall be a further fee of \$35.00 for said inspection.	wall sign \$35 + \$0.03/sf freestanding
Sec. 18-205.04	SIGN REVIEW FEES, \$50 Plan Review Fee	\$50
Sec. 18-205.05	SIGN, NON-ILLUM, <=\$1500, \$35	\$35
Sec. 18-205.06	SIGN > \$1,500 @ 1.2%, \$50 fee+\$50PR= \$100 min	\$100 min
Sec. 18-205.07	SIGN, BOND, 1%, min \$100	\$100 min
Sec. 18-205.08	SIGN AREA AT \$0.50 per sf, Additional for an Illuminated Sign	\$0.50/sf
Sec. 18-205.09	SIGN, TEMPORARY, no Plan Review Fee	\$35
Sec. 18-205.10	SIGN, TEMPORARY, Removal COMPLIANCE BOND	\$100
Sec. 18-206	COMPLIANCE BONDS	
Sec. 18-206.01	In order to secure compliance with this section, there shall be deposited with the code official, at the time of the issuance of a building permit for construction or improvements in excess of \$5,000.00, a cash bond, in an amount equal to one percent of the estimated cost of construction of the improvement up to and including \$50,000.00 and one-half of one percent over \$50,000.00 but in no case less than \$100.00. The full amount of said cash bond or equivalent shall be forfeited to this village at the rate of ten percent of such deposit per day for each day that this section has been violated in the reasonable judgment of the code official. Such forfeiture shall not impair the village's right to recover a fine or penalty or seek injunctive relief. Forfeiture of said cash bond to the village shall also result for payment of any fee or expense owed to the village including the repair or damage to village property, inspection fees and all other liabilities imposed by this Code upon the holder of the building permit or owner or when a permit has expired, and the applicant has not requested a final inspection. If the permit holder does not call for and schedule a final inspection prior to the expiration of a permit for any permit that that was required to post a compliance bond then the bond amount shall be confiscated and deposited into the general fund of the Village of Hanover Park.	Bond \$100 for work over \$5000 1% up to \$50k +0.5% > \$50k
Sec. 18-206.02	A compliance bond is not required for work valued at less than \$5,000.00	For Work <= to \$5000=N/C

Sec. 18-206.03	FOR WORK >\$5000<=\$50,000 @ 1%, \$100 min	\$100 min or 1%
Sec. 18-206.04	FOR WORK >\$50,000 @ 0.5% + above	1%+0.5%
Sec. 18-206.05	SIGN, TEMPORARY, Removal COMPLIANCE BOND	\$100

SECTION 3: Any person, firm, or corporation violating any provision of this ordinance shall be fined not less than one hundred (\$100.00) dollars and not more than one thousand (\$1,000.00) dollars, each day a violation continues shall be considered a separate violation.

SECTION 4: This ordinance shall be in full force and effect from and after its passage, approval, and publication in the manner and form required by law.

SECTION 5: That the Village Clerk be and is hereby directed to publish this ordinance in pamphlet form.

ADOPTED this 6TH day of June 2019, pursuant to a roll call vote as follows:

AYES: Shahjahan, Prigge, Roberts, Porter, Kemper, López Benítez
 NAYS: None
 ABSENT: None
 ABSTENTION: None

Approved: _____
 Village President

ATTESTED, filed in my office, and
 published in pamphlet form this 7th
 day of June 2019.

 Eira L. Corral Sepúlveda
 Village Clerk