

VILLAGE OF VERNON HILLS

ORDINANCE NO. 2012-002

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE VILLAGE OF
VERNON HILLS, APPENDIX B – DEVELOPMENT REGULATIONS, ARTICLE I
DEVELOPMENT, ORDINANCE, APPENDIX II, ENGINEERING SPECIFICATIONS,
SECTION F – SANITARY SEWERAGE SYSTEM AND SECTION G-WATER
DISTRIBUTION SYSTEM

THE 24th DAY OF JANUARY 2012

Published in pamphlet form by the Authority of the
President and Board of Trustees of the Village of
Vernon Hills, Lake County, Illinois, this 26th Day of
January 2012

ORDINANCE NUMBER 2012-002

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE VILLAGE OF VERNON HILLS, APPENDIX B – DEVELOPMENT REGULATIONS, ARTICLE I DEVELOPMENT, ORDINANCE, APPENDIX II, ENGINEERING SPECIFICATIONS, SECTION F – SANITARY SEWERAGE SYSTEM AND SECTION G-WATER DISTRIBUTION SYSTEM

WHEREAS, the President and the Board of Trustees of the Village of Vernon Hills is authorized to prescribe certain polices and regulations for the purpose of creating and retaining a safe, comfortable, and accessible environment and character in the community; and

WHEREAS, the President and Board of Trustees has determined that in prescribing said policies and regulations, specific development regulations are essential to insure buildings, structures, and infrastructure are well-constructed and will preserve, maintain, and enhance existing and future village amenities.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND THE BOARD OF TRUSTEES OF THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS AS FOLLOWS:

SECTION I. That Appendix B, Appendix II, Section F of the Village of Vernon Hills Code of Ordinances, is hereby amended and approved to read as follows:

1. **Section F. 4.10. – SANITARY SEWERAGE SYSTEM**

That Section F.4.10. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

e. The coefficient n shall be as follows:

- (i) Concrete pipe... 0.013
- (ii) Ductile iron pipe... 0.013
- (iii) PVC pipe... 0.012

2. **Section F. 4.e. – SANITARY SEWERAGE SYSTEM**

That Section F.4.e. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

e. The coefficient n shall be as follows:

- (i) Concrete pipe... 0.013
- (ii) Ductile iron pipe... 0.013
- (iii) PVC pipe... 0.012

3. Section F. 13.a. – SANITARY SEWERAGE SYSTEM

That Section F.13.a. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- a. *Sanitary Sewerage Pipes:* Polyvinyl Chloride (PVC) with minimum SDR 21 conforming to AWWA C-900, C-909 CL 150. PVC pipe shall have push-on joints, utilizing an integral bell and stainless steel reinforced gasket, complying with ASTM D-3139 PVC. The compound shall meet requirements of ASTM C-1784.

Ductile iron pipe conforming to ASA A21.5 (AWWA C-1151) will be allowed only when necessary due to load requirements as determined by the engineer and approved by the Lake County Department of Public Works. Ductile iron pipe shall have an approved biogenic corrosion resistant liner, Protecto 401 or approved equal, and otherwise meet ANSI A21.4 (AWWA C-104). Class thickness shall be minimum Class 52 and designed per ANSI A21.5 (AWWA C-150). Pipe shall have push-on joints per ASA A21.11. Corrosion control shall be provided using polyethylene wrapping per ANSI/AWWA C-150/A21.5.

Reinforced Concrete Pipe (RCP, limited to diameters 18 inches and larger) conforming to ASTM C76. Pipe shall be provided with an approved cementitious sulfide resistant lining.

High Density Polyethylene (HDPE) meeting the applicable requirements of ASTM P-714 "Polyethylene (PE) Plastic Pipe (SDR-PR) based on outside Diameter" and ASTM D-1248 "Polyethylene Plastic Molding and Extrusion Materials" Type IV, Class C. Pipe shall be Ductile Iron Pipe Size (DIPS). All pipe shall be made of virgin material. The pipe shall be homogenous throughout and shall be free of visible cracks, holes, foreign material, blisters, or other deleterious faults. Pipe shall have a minimum wall thickness corresponding to an SDR of 17.

All fusion joints shall meet the minimum requirements of the manufacture for cool-down time and all other fusing requirements. HDPE pipe shall be provided with the necessary restraints and/or fittings to guarantee the pipe will not separate from the manholes at either end as might be caused by thermal expansion or contraction. Any such restraint or fitting shall use full circumference clamping and be approved for use by the pipe manufacturer. All fittings shall be specifically designed and pre-approved for use with HDPE pipe and installed in strict conformance with the manufacturer's instructions.

4. Section F.13.b.(i). – SANITARY SEWERAGE SYSTEM

That Section F. 13.b.(i). of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (i) Manholes shall have precast reinforced concrete barrel sections, tongue and groove joints, with integral precast-in-place bottoms conforming to ASTM C478. A continuous preformed bituminous butyl rope material shall be installed at all barrel section joints. Where flat top manholes are required the flat top shall have a precast corbel for attachment of exterior seals.

Force main discharge manholes, drop manholes, and manholes adjacent to force main discharge manholes shall be spray lined with a minimum one (1) inch of hydrogen sulfide resistant cementitious mortar, Strong Corporation Strongseal (www.strongseal.com), Kerneos SewperCoat, or approved equal. Coating shall be applied in strict conformance with manufacturer's written procedures.

5. Section F.13.b. (v). – SANITARY SEWERAGE SYSTEM

That Section F.13.b.(v). of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (v) All pipe connection openings shall be precast with resilient rubber watertight pipe-to-manhole sleeves or seals.

6. Section F.13.b. (vi). – SANITARY SEWERAGE SYSTEM

That Section F.13.b.(vi). of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (vi) All sanitary sewer manholes must be provided with a Cretex external chimney seal. Sealing systems Infi-shield External Seal, or an Adaptor, Inc. Internal/External (2 in 1) manhole chimney seal all with stainless steel bands. Where special manhole configurations prevent the use of the above seals, Canusa wrap may be considered for use.

7. Section F.13.c. (i). – SANITARY SEWERAGE SYSTEM

That Section F.13.c.(i). of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (i) Frames and gasket sealed solid lids with machined horizontal bearing surfaces equivalent to Neenah Foundry Company R-1710 or approved equal. Lids shall be stamped 'SANITARY' and be provided with T-seal and concealed pick hole.

8. Section F.13.c. (ii). – SANITARY SEWERAGE SYSTEM

That Section F.13.c.(ii). of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (ii) Manhole steps shall be steel reinforced polypropylene, 14" minimum width, M.A. Industries model PS2-PF or approved equal. Steps shall be placed on 14" nominal centers.

9. Section F. 13.e. – SANITARY SEWERAGE SYSTEM

That Section F.13.e. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- e. Air release or combination air/vacuum wastewater valves shall be A.R.I. Model D-025 Combination Air Valve for Sewer with stainless steel/reinforced nylon body. All tapping sleeves for force main connections shall be full body stainless steel. Smith-Blair

#372 or approved equal shall be used for new taps. Double bolted Smith-Blair #264 or approved equal shall be used for all repairs.

Tracer wire shall enter the air relief/vacuum valve vault in an approved manner such that the structure is free of infiltration.

10. Section F. 13.f. – SANITARY SEWERAGE SYSTEM

That Section F.13.f. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- f. The installation of the sanitary sewerage service system and appurtenances shall conform to the requirements of the village engineer and the Lake County Department of Public Works.

No shear mission couplings shall be used to join dissimilar pipe materials.

11. Section F. 14.c. – SANITARY SEWERAGE SYSTEM

That Section F.14.c. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- c. The installation of the sanitary sewerage system and appurtenances shall conform to the requirements of this section and to the following:
 - (i) For polyvinyl chloride pipe, AWWA C-900 or C-909 CL 150
 - (ii) For ductile iron pipe, ASA A21.5 AWWA C1151
 - (iii) For reinforced concrete pipe, ASTM C76 Class IV

12. Section F. 14.j. – SANITARY SEWERAGE SYSTEM

That Section F.14.j. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- j. Cutting of pipe for any purpose shall be done in a neat, workmanlike manner without damage to any lining. Pipe cutting shall result in a smooth end at a right angle to the axis of the pipe. A bevel shall be neatly filed or ground around the outside circumference of any ductile iron pipe so as to minimize damage to the gasket material at the joint. All debris from the cutting operation shall be removed from inside of the pipe and from the joint area. Flame cutting of pipe shall not be allowed.

Structures shall not be broken into to provide holes for pipe but shall be cored and booted using a method approved by the village engineer and Lake County Department of Public Works.

13. Section F. 14.m. – SANITARY SEWERAGE SYSTEM

That Section F.14.m. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- m. The installation of the sanitary sewerage service connections shall conform to the requirements of the village engineer and the Lake County Department of Public Works.

Every effort shall be made during the design phase to ensure that as many service connections as possible empty into manholes at or near the bottom.

Unconnected service stubs shall be terminated within one (1) foot of the property line and marked with a wood 2x4 post, painted green and extending two (2) to four (4) feet above finished grade.

14. Section F. 14.l. – SANITARY SEWERAGE SYSTEM

That Section F.14.l. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- l. For new construction, the trench shall be carefully backfilled and compacted in accordance with Exhibit No. 1 and Exhibit No. 2, and the IDOT “Standard Specifications for Road and Bridge Construction”, Latest Edition, except the backfill material shall be compacted everywhere, not just near and under pavements or sidewalks. Mechanical compaction shall be required on all trenches within the public-right-of-way.

15. Section F. 14.n. – SANITARY SEWERAGE SYSTEM

That Section F.14.n. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- n. All trenches within pavement shall be backfilled with an approved concrete flow-able fill material approved by the Village Engineer for all repairs and/or modifications to the existing system. Material shall be placed to a height that is equal to the existing pavement subbase, and after a period of seventy-two (72) hours a Hot-Mix asphalt surface course mixture, approved by the Village Engineer, shall be placed in accordance with the IDOT “Standard Specifications for Road and Bridge Construction”, Latest Edition.

16. Section F.15.a.(ii). – SANITARY SEWERAGE SYSTEM

That Section F.15.a.(ii). of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (ii) Upon completion of construction and prior to the request for a final punchlist inspection a digital video (DVD) recorded inspection shall be performed on the sections or portions of the sewer as directed by the village engineer and the Lake County Department of Public Works. A digital video (DVD) recorded inspection and written reports shall be provided to the village and the Lake County Department of Public Works prior to the final inspection. The report shall include footage traveled by the camera, each stub passed, and manholes. The developer/owner shall perform any necessary cleaning of the sanitary sewer pipes and structures prior to the recording. The digital video (DVD) recorded inspection, in the format required by the village engineer and the Lake County Department of Public Works, and a written report of the inspection, shall be provided to the village engineer and the Lake County Department of Public Works prior to initial acceptance provided for in this ordinance. All deficiencies identified from this inspection shall be corrected to the satisfaction of the village engineer and the Lake County Public Works Department. A new digital video (DVD) recorded inspection and report shall be provided for approval. All fees

and costs for this digital video (DVD) recorded inspection, and all other costs associated with this work, shall be borne by the developer or owner.

17. Section F.15.b. – SANITARY SEWERAGE SYSTEM

That Section F.15.b. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- (b) Testing. It is the intent of this provision to ensure a sanitary sewerage system with a minimum amount of infiltration. The maximum allowable infiltration shall conform to the requirements of the Lake County Department of Public Works. The joints shall be tight and any joint with visible leakage or any section of sanitary sewerage system infiltration in excess of the maximum allowable shall be sufficient cause for village and Lake County Department of Public Works rejection of the system.

Repairs made to the sanitary sewerage system in order to fulfill the requirements of this section shall be permanent and shall equal in quality to new work constructed in accordance with this section. All such repairs shall be at the expense of the developer or owner.

The sanitary sewerage system testing program shall be paid for by the developer or owner.

The village engineer and the Lake County Department of Public Works shall choose the method of testing the integrity of the sanitary sewerage system that is in accordance with the "Standard Specifications for Water and Sewer Main Construction in Illinois", latest edition.

SECTION II. That Appendix B, Appendix II, Section G of the Village of Vernon Hills Code of Ordinances, is hereby amended and approved to read as follows:

1. Section G.2.h. – WATER DISTRIBUTION SYSTEM

That section G.2.h. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- h. Water service connections for residential lots shall be located at the approximate midpoint of each lot, but not in driveways or driveway aprons. Either a valve box or a valve vault, as required, shall be installed one (1) foot from the near sidewalk edge, if sidewalk is present, or one (1) foot from the lot line if sidewalk is not present. Water service connections shall have at least five and one-half (5-1/2) feet of cover and eight (8) feet maximum. See Exhibits No. 16 and 18.

Unconnected service stubs shall be terminated within one (1) foot of the property line and marked with a wood 2x4 post, painted blue and extending two (2) to four (4) feet above finished grade.

2. Section G.3.a. – WATER DISTRIBUTION SYSTEM

That section G.3.a. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- a. Ductile iron pipe conforming to ANSI A21.50 (AWWA C150) designed per ANSI A21.50 (AWWA C150) with minimum wall thickness corresponding to Class 52. Pipe shall be cement lined per ANSI A21.4 (AWWA C104) and encased for corrosion protection with wrapper meeting ANSI/AWWA Standard C105/A21.5. Wrap shall be extended for a minimum of three (3) feet up from all copper water service connections. Fittings shall conform to ANSI A21.10. Connections shall be made with flanged or push on mechanical joints. Elastomeric seals for push-on joints shall comply with ASTM F477 and shall be pressure rated in accordance with ASTM D3139.

Where ductile iron pipe is used with copper services and electrical insulating coupling shall be provided at the service tap for corrosion protection from stray electrical currents.

Polyvinyl Chloride (PVC or PVCO) pressure rated pipe (SDR) and fittings meeting ASTM D4336, ASTM D2241 and AWWA C900, C905 or C909 for watermain or service applications 4" diameter and above. PVC C900 and C905 pipe shall have a minimum wall thickness corresponding to an SDR of 18. PVCO C909 pipe shall have a minimum wall thickness corresponding to an SDR of 33. PVC piping shall be provided in cast (ductile) pipe outside diameter sizes. Connections shall be made with flanged or push-on joints with elastomeric seals meeting ASTM 3139 and ASTM F477. No solvent cement joints will be allowed. Flanged joints are required for all connections to pumps, valves and other serviceable pipeline appurtenances.

High Density Polyethylene (HDPE) meeting the applicable requirements of ASTM D2239, D3035 and AWWA C901 (1" ID through 3" ID) or C906 (nominal 4" and above). Pipe shall have a minimum pressure rating of 150 psi and minimum wall thickness corresponding to DR 11 for PE3408 or minimum DR 9.3 for PE2406 or PE3406. Joints and fittings shall be fusion bonded in accordance with ASTM F1290. Mechanical joints shall use full circumference clamping and will only be considered subject to pre-approval by the Lake County Department of Public Works. All fittings shall be specifically designed and pre-approved for use with HDPE pipe and installed in strict conformance with the manufacturer's instructions. Mega lugs and similar fittings using set screws or drive lugs into the wall of the pipe will not be allowed. HDPE pipe shall be provided in ductile (cast) iron pipe outside diameter sizes (DIOD). All metal fittings and fasteners shall be stainless steel. Fasteners shall be type 304, austenitic, stainless steel installed with anti-seize coating (TS Moly-Lubricants, Houston, TX, TS-74 or approved equal).

For non-metallic pipe a continuous, insulated, 12 gauge copper wire suitable for direct burial shall be taped to the top of the pipe. The wire shall be securely terminated inside every valve vault at the casting by stainless steel eye-bolt hardware with an exposed lead of at least twelve (12) inches. A mechanically secure and soldered connection shall be provided for all wire splices. Where construction is to be by directional drilling or similar trenchless technology the tracer wire shall be 3/16" 7x19 PVC coated stainless steel aircraft cable with minimum breaking strength of 3700 lbs (Lexco, Chicago, IL.) or Trace-Safe water blocking tracer wire RT series 19 gauge conductor (RT 1802W water, RT 1803W sewer). Before final approval of any water main, there will be a Lake County Department of Public Works monitored tracer wire continuity test in order to confirm proper installation of any tracer wire.

All metal fittings and fasteners shall be stainless steel. Fasteners shall be type 304, austenitic, stainless steel installed with anti-seize coating (TS Moly-Lubricants, Houston, TX, TS-74 or approved equal).

Asphaltic or epoxy coatings shall be provided on all cast or ductile iron fittings.

Type K copper pipe in accordance with ASTM B88 and B251 is to be used for water services (only) up to two (2) inches in diameter. The minimum service diameter shall be one (1) inch. Service lines, valves and fittings shall be suitable for use with pressure to 150 psi.

All buried hardware shall be non-ferrous metal.

3. Section G.3.b. - WATER DISTRIBUTION SYSTEM

That section G.3.b. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- b. Gate valves shall be Mueller A2360 or Waterous 2500 meeting AWWA C509 or C515.

Butterfly valves shall not be used for water mains smaller than sixteen (16) inches in diameter. Resilient wedge epoxy gate valves shall be used for all water main less than sixteen (16) inches in diameter. Valves shall be epoxy coated. All buried hardware shall be non-ferrous material.

For water distribution system valves six (6) inches and smaller, valve boxes shall be supplied as an alternate to valve vaults. Valve boxes shall be Tyler 3 piece or equal and shall have a full cast or ductile iron body with rubber valve box stabilizers. Valve box covers shall be labeled "Water".

Curb valves shall be rated for 175 PSIG working pressure, meeting ANSI/AWWA C800. Valve shall use one (1) piece closed bottom, all brass construction, no drain, large diameter top with T head, port sealing O-rings, Minneapolis thread top with copper flare nut on both ends, Mueller H-15154 or equal.

For water service connections two (2) inch diameter and smaller curb boxes shall be provided. Curb boxes shall be "Minneapolis" pattern, slide adjustable, Mueller H-10300 or equal.

Corporation stops shall be Ford or Mueller bronze body key stops, one (1) inch minimum size, conforming to AWWA C800 and include a one-eighth bend tail piece and compression fittings.

4. Section G.3.c. - WATER DISTRIBUTION SYSTEM

That section G.3.C. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- c. Fire hydrants shall be Mueller Super Centurion A423-250, East Jordan Water Master 5CD250 or Waterous WB67-250 with bronze seats. Hydrant shall have a 250 psig working rated pressure and shall utilize an oil reservoir lubricating system. Hydrants shall be traffic model with upper and lower barrels joined by a breakable flange and a stainless steel break coupling.

Hydrants shall have the OSHA yellow factory applied coating. Damage to the factory coating shall be power tool cleaned per SSPC-SP3 followed by a direct to metal acrylic enamel, Pitt-Tech 90-330 or equal. Final coating colors shall be in accordance to Exhibit No. 17.

The auxiliary hydrant valve shall be direct coupled to the hydrant without spool piece. Valve shall meet the requirements of water main valves. Tracer wire shall be extended up along fire hydrants and securely attached to the hydrant marker bracket.

An approved hydrant marker with a minimum 53" high, 5/16" diameter galvanized spring, spring steel riser and twenty (20) square inch red lexan flag (USA Bluebook 44064 or equal) shall be attached to the hydrant shall be provided and securely attached to the hydrant.

5. Section G.3.d. - WATER DISTRIBUTION SYSTEM

That section G.3.d. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- d. All tapping saddles for non HDPE mainline connections shall be full body stainless steel. Smith-Blair #372 or approved equal shall be used for new taps. Double bolted Smith-Blair #264 or approved equal shall be used for all repairs. HDPE mainline connections shall be made with Friatec type "VA" electrofusion service saddles or approved equal.

All taps other than services two (2) inches and smaller, shall be made with pressure tapping sleeve and valve. Such taps shall be enclosed in vaults, minimum five (5) foot diameter.

6. Section G.3.e. - WATER DISTRIBUTION SYSTEM

That section G.3.e. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- e. Valve vaults shall be provided for all water main valves eight (8) inches and larger.

Valve vaults shall be precast reinforced concrete conforming to ASTM C478, tongue and groove joints, with a continuous preformed bituminous butyl rope material shall be installed at all barrel section joints. A concentric cone shall only be used. Vaults for valves eight (8) inches or less in diameter shall be forty-eight (48) inches in diameter; vaults for valves larger than eight inches in diameter shall be sixty (60) inches in diameter. See Exhibit No. 16. Where flat top manholes are used the covers must have precast corbels for attachment of external chimney seals.

No more than two (2) precast concrete adjusting rings shall be allowed for a total possible adjustment of eight (8) inches.

Frames and self-sealing, gasket, solid lids with machine horizontal bearing surfaces equivalent to Neenah Foundry Company R-1710 shall be used. The lids shall be stamped "WATER" and be provided with T-seal and concealed pick hole.

7. Section G.4.a. - WATER DISTRIBUTION SYSTEM

That section G.4.a. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- a. No construction shall begin until approved copies of all required permits from the pertinent public agencies are filed with the village engineer and the Lake County Department of Public Works.

8. Section G.4.m. - SANITARY SEWERAGE SYSTEM

That Section G.4.m. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- m. For new construction, the trench shall be carefully backfilled and compacted in accordance with Exhibit No. 1 and Exhibit No. 2, and the IDOT "Standard Specifications for Road and Bridge Construction", Latest Edition, except the backfill material shall be compacted everywhere, not just near and under pavements or sidewalks. Mechanical compaction shall be required on all trenches within the public-right-of-way.

All trenches within pavement shall be backfilled with an approved concrete flow-able fill material approved by the Village Engineer for all repairs and/or modifications to the existing system. Material shall be placed to a height that is equal to the existing pavement subbase, and after a period of seventy-two (72) hours a Hot-Mix asphalt surface course mixture, approved by the Village Engineer, shall be placed in accordance with the IDOT "Standard Specifications for Road and Bridge Construction", Latest Edition.

9. Section G.5.b. - WATER DISTRIBUTION SYSTEM

That section G.5.b. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

- n. Testing. Initial filling and flushing of water mains shall be done by Lake County Department of Public Works personnel only. Only Lake County Department of Public Works personnel are authorized to operate mainline valves.

New water mains shall be tested in accordance to the requirements of the Lake County Department of Public Works. New water mains shall be tested in the presence of, and approved by, Lake County Department of Public Works personnel.

Chlorination of water mains shall be done by certified chlorination firms approved by the Lake County Department of Public Works.

10. Section G.6. - WATER DISTRIBUTION SYSTEM

That section G.6. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

6. Preliminary Disinfection. After the pressure test is passed, but prior to chlorination the main shall be thoroughly flushed. Prior to disinfection of commercial building services, where applicable the tee shall be installed on the riser in the building and the first two (2) permanent valves shall be installed, one (1) on the fire line and one (1) on the domestic line.

11. Section G.7. - WATER DISTRIBUTION SYSTEM

That section G.7. of the Code of Ordinances, Village of Vernon Hills, Illinois, is hereby amended to read as follows:

7. *Disinfection.* Sampling taps shall be provided where requested by a Lake County Department of Public Works representative. Bacteriological testing following disinfection shall be done either by the Lake County Department of Public Works or other IEPA certified laboratory with original sample sheets supplied. In the event one or more of the sampling tests are unsatisfactory, the Lake County Department of Public Works retains the right to take over the sampling process.

The cost of flushing, disinfection, sampling, and testing shall be borne by the owner or developer.

SECTION III. That Appendix B, Appendix II, of the Village of Vernon Hills Code of Ordinances, is hereby amended to include the following exhibit revisions:

Exhibit No. 04 – Sanitary Sewer and Valve Vault External Chimney Seal

Exhibit No. 14 – Sanitary Sewer Connection

Exhibit No. 15 – Thrust Blocks

Exhibit No. 16 – Water Main Valve Vault

Exhibit No. 17 – Fire Hydrant

Exhibit No. 18 – Water Service Connection

SECTION IV. Severability. In the event that any section, clause, provision, or part of this ordinance shall be found and determined to be invalid by a court of competent jurisdiction, all valid parts that are severable full force and effect. If any part of this ordinance is found to be invalid in any one or more of

its several applications, all valid applications that are severable from the invalid applications shall remain in effect.

SECTION V. Repeal and Savings Clause. All ordinances or parts of ordinances in conflict herewith are hereby repealed; provided, however, that nothing herein contained shall affect any rights, actions or causes of action which shall have accrued to the Village of Vernon Hills prior to the effective date of this ordinance.

SECTION VI. Effective Date. This ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as provided by law.

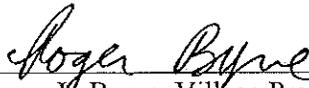
SECTION VII. This ordinance shall be known as Ordinance 2012-002

Adopted by roll call vote as follows:

AYES: 6 – Koch, Williams, Hebda, Marquardt, Schultz, Schwartz

NAYS: 0 - None

ABSENT AND NOT VOTING: 0 - None



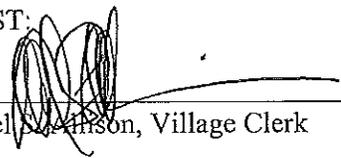
Roger L. Byrne, Village President

PASSED: 1/24/2012

APPROVED: 1/24/2012

PUBLISHED IN PAMPHLET FORM: 1/26/2012

ATTEST:



Michael J. Johnson, Village Clerk

STATE OF ILLINOIS)
)
COUNTY OF LAKE)

CERTIFICATE

I, MICHAEL S. ALLISON, CERTIFY THAT I AM THE DULY APPOINTED AND VILLAGE CLERK OF THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS. I FURTHER CERTIFY THAT ON JANUARY 24, 2012, AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE VILLAGE OF VERNON HILLS, APPENDIX B – DEVELOPMENT REGULATIONS, ARTICLE I DEVELOPMENT, ORDINANCE, APPENDIX II, ENGINEERING SPECIFICATIONS, SECTION F – SANITARY SEWERAGE SYSTEM AND SECTION G-WATER DISTRIBUTION SYSTEM

THE PAMPHLET FOR ORDINANCE NO. 2012-002, INCLUDING THE ORDINANCE AND A COVER SHEET THEREOF WAS PREPARED, AND A COPY OF SUCH ORDINANCE WAS POSTED IN THE VILLAGE HALL, COMMENCING JANUARY 26, 2012 AND CONTINUING FOR AT LEAST TEN DAYS THEREAFTER. COPIES OF SUCH ORDINANCE WERE ALSO AVAILABLE FOR PUBLIC INSPECTION UPON REQUEST IN THE OFFICE OF THE VILLAGE CLERK.

DATED IN VERNON HILLS, ILLINOIS, THIS 26th DAY OF JANUARY, 2012



MICHAEL S. ALLISON, VILLAGE CLERK

SEAL



AFFIDAVIT OF SERVICE

STATE OF ILLINOIS)
)
COUNTY OF LAKE)

I, MICHAEL S. ALLISON, BEING FIRST DULY APPOINTED, DEPOSES AND SAYS ON OATH THAT AS VILLAGE CLERK OF THE VILLAGE OF VERNON HILLS, HE DID CAUSE THE FOREGOING CERTIFICATE FOR ORDINANCE 2012-002, AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE VILLAGE OF VERNON HILLS, APPENDIX B - DEVELOPMENT REGULATIONS, ARTICLE I DEVELOPMENT, ORDINANCE, APPENDIX II, ENGINEERING SPECIFICATIONS, SECTION F - SANITARY SEWERAGE SYSTEM AND SECTION G-WATER DISTRIBUTION SYSTEM



MICHAEL S. ALLISON, VILLAGE CLERK

SUBSCRIBED AND SWORN TO BEFORE
THIS 26th DAY OF JANUARY 2012



Notary Public

