

CITY OF JEANNETTE  
WESTMORELAND COUNTY, PENNSYLVANIA

BILL NO. 18-24

ORDINANCE NO. 19-02

**AN ORDINANCE OF THE CITY OF JEANNETTE, WESTMORELAND COUNTY, PENNSYLVANIA, AMENDING ORDINANCE NO. 16-09, AS AMENDED, TO PROMGULATE REQUIREMENTS AND STANDARDS FOR THE REPLACEMENT OF SIDEWALKS AND CURBS IN THE LOCAL HISTORIC DISTRICT; REPEALING ALL INCONSISTENT ORDINANCES; AND PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Jeannette has expended substantial sums and effort to replace and repair certain sidewalks, driveway aprons, and curbs along Clay Avenue and within the downtown district and local historic district; and

WHEREAS, the City of Jeannette desires to maintain such sidewalks in their current condition; and

WHEREAS, the City of Jeannette desires to maintain the aesthetic, cultural, and historic value of the downtown district and local historic district.

**BE IT ENACTED AND ORDAINED** by the City Council of the City of Jeannette, Westmoreland County, Commonwealth of Pennsylvania, and it is hereby enacted and ordained as follows:

**Section 1.** Historic District Sidewalk Replacement. Article III, Section 3.2 of Ordinance No. 16-09 is hereby amended to insert a new subsection (G), and to renumber all subsequent subsections accordingly and all references thereto in said Ordinance, to read as follows:

G. HISTORIC DISTRICT SIDEWALKS. Notwithstanding anything to the contrary herein, sidewalks, including, without limitation, cement concrete sidewalks and driveway aprons and curbs, located in the City of Jeannette local historic district designated by the City of Jeannette in Ordinance \_\_\_\_\_, shall be replaced in accordance with the following rules and specifications:

a. Sidewalks and Driveway Aprons shall be replaced as follows:

i. Materials

a. Concrete. Class AA Concrete shall contain cement, coarse aggregate, and fine aggregate with a minimum of 3,500 pounds compressive strength per square inch at 28 days with fiber mesh or wire reinforcement.

b. Water. Water shall be clean and free from salt, oil, or organic substances. Water from local rivers, creeks, or ditches shall not be used.

c. Grassy pavers, asphalt, gravel or brick are unacceptable and shall not be used when replacing a new sidewalk or replacing a damaged sidewalk fronting Clay Avenue.

- d. Aggregate base 2A stone shall be used.
- e. Pre-molded expansion joint filler shall be used.
- f. Two (2) coats of concrete curing compound shall be applied.
- g. Curing and protective covers. For water cure, the concrete surface shall be kept wet. Covers of either burlap-backed, white polyethylene sheeting or double thick of burlap shall be used.

ii. Construction Methods

a. Subgrade Preparation

- i. The subgrade for sidewalks and driveways shall be excavated at a depth of ten (10) inches below and parallel with the finished surface of the sidewalk. The subgrade shall be thoroughly compacted by rolling or tamping before placing any stone base or concrete to 95% compaction.
- ii. Where tree roots are encountered, they shall be removed to a depth of one foot for the full width of the walk.
- iii. All soft and spongy places shall be removed and all depressions filled with 2A stone which shall be thoroughly compacted in layers not exceeding six (6) inches in thickness.

- b. Where existing sidewalks or driveway aprons are to be removed, they shall be removed for their entire depth and disposed of in a satisfactory manner.

iii. Protection of Subgrade

In no case shall sidewalk and driveway apron be placed on frozen or muddy subgrade. Frost crystals or mud caused by freezing and thawing shall be removed and replaced with suitable material at the permittee's expense, or allowed to dry before placing sidewalk and driveway apron. If ruts are formed in the prepared subgrade, the subgrade shall be scarified and thoroughly compacted.

iv. Grading of Subgrade

Areas shall be uniformly graded within limits of grading. Finished surfaces shall be smoothed  $\pm \frac{1}{4}$  inches.

v. Subbase of Sidewalk

- a. Aggregate consisting of 2A crushed stone shall be furnished.
- b. Subbase material shall not be placed on soft, muddy or frozen areas and, not until irregularities in the prepared areas, including soft areas, have been corrected. Satisfactorily correct, by scarifying, reshaping, and re-compacting, or by replacement as required, unstable subbase conditions, including soft foundation areas which develop ahead of the base.
- c. String lines, and straight edge shall be furnished and used to control the finished elevation and depth of the proposed subbase.
- d. Subbase beyond the edge of the sidewalk shall be completed.
- e. Spread material shall be compacted by means of approved equipment such as a vibratory plate compactor, jumping jack compactor or bomag vibratory roller.
- f. The finished subbase depth shall be determined by cutting or digging holes to the full depth of the completed subbase.

vi. Dimensions of Sidewalk

a. Sidewalk slabs shall have an area of not more than sixteen (16) square feet, 5 foot wide by 5 foot long and the length of the slab shall be equal to the width providing, however, that where sidewalks are to be repaired, the size of the slab replaced shall be of the same dimensions as those remaining in the old walk.

b. The minimum thickness of a sidewalk shall be four (4) inches, except where it is crossed by a driveway, and then it shall be a minimum of six (6) inches.

vii. Alignment and Grades

Sidewalks shall be constructed in conformance to the lines and grades shown on the standard drawing attached to this specification. Sidewalks shall have a uniform slope toward the curb of not less than one-quarter (1/4) inch per foot. Refer to standard drawing.

viii. Drainage

Any work or activities undertaken which change, alter or increase drainage from The property shall only be undertaken in compliance with the City ordinances which regulate storm water and such drainage.

ix. Forms

Forms used in construction of sidewalks shall be of wood or metal for full depth of the concrete, straight, free from warp, and sufficient strength not to buckle under weight of wet concrete. They shall be staked securely enough to resist the pressure of the concrete without springing. If wood, they shall be nominal two inch planks surfaced on the inside and the top; or if of metal, they shall be thoroughly cleaned and oiled before concrete is placed against them. Forms that are worn, bent, or damaged shall not be used. All work forms shall be thoroughly cleaned before being reused.

x. Placing Concrete

No concrete shall be placed until the forms and subbase have been approved by the City Engineer. The subbase shall be thoroughly wetted and the concrete shall be placed thereon in one course to the required depth.

xi. Joints

a. Contraction joints shall be provided uniformly to separate the slab, and shall be tooled in a straight line to a depth equal to at least one-fourth (1/4) of the total slab thickness. The joint shall be not less than one-eighth inch (1/8"), nor more than one-fourth (1/4') in width.

b. A one-half inch (1/2") pre-molded expansion joint filled with joint filler shall be placed between all sidewalks and adjoining backs of curbs and between the intersection of two (2) sidewalks and between all sidewalks and driveways. Sidewalks constructed adjacent to buildings shall be separated from the building with a similar joint. The maximum distance between transverse expansion joints shall be fifty (50) feet. The joint filler shall extend the full depth of the concrete and shall be one-fourth (1/4) of an inch below the finished surface of the sidewalk.

xii. Finishing

After the freshly-poured concrete has been brought to the establishing grade, it shall be floated with a wooden float to produce a surface free from irregularities.

The final surface shall be obtained by troweling with a steel trowel or hand float and brushing lightly with a light weight brush in a transverse direction so as to produce a uniform gritty surface of the proper texture. All edges and joints shall be rounded to one-fourth inch (1/4"). Other finishes such as a magnesium trowel finish are acceptable. Some finishes will need approval such as exposed aggregate finish, colored concrete finish, stained concrete finish or stamped concrete finish.

xiii. Cold Weather Pouring

- a. Concreting operations shall not be undertaken or continued when the surrounding air temperature is below 40° F or the local weather reports indicate the possibility of temperatures of 32° F or lower within the ensuing twenty-four (24) hours, unless provisions are made to insulate or heat the concrete in a manner satisfactory to the City's authorized representative. In any event, the permittee shall plan and protect his work in a manner which will assure satisfactory results. Any concrete damage by freezing shall be removed and replaced.
- b. Concrete when deposited in the forms, shall have a temperature of not less than 50° F nor more than 90° F. The concrete shall be maintained at a temperature of not less than 50° F for a period of at least seventy-two (72) hours in case of normal concrete, or twenty-four (24) hours when high early cement is used. Concrete shall not be deposited on a frozen subgrade.

xiv. Curing and Protection

- a. Adjacent surfaces shall be protected from contact with concrete curing and sealing compounds.
- b. Surfaces shall be prepared in accordance with manufacturer's instructions. Clean concrete surfaces of dirt, dust, debris, oil, grease, bond breaker residue, curing compounds, laitance, paint, and other contaminants which could adversely affect concrete curing and sealing compound adhesion.
- c. Materials shall be mixed in accordance with manufacturer's instructions. Incorporating air into materials during mixing shall be avoided.
- d. Concrete curing and sealing compounds shall be applied in accordance with manufacturer's instructions. Concrete curing and sealing compounds shall be uniformly applied at application rate in accordance with manufacturer's instructions.
- e. New vertical concrete surfaces: Concrete curing and sealing compounds shall be applied immediately after form removal.
- f. Sealing and dustproofing: Second application of concrete curing and sealing compounds shall be applied in accordance with manufacturer's instructions to provide sealing and dustproofing of concrete surfaces.
- g. Concrete curing and sealing compounds shall not be applied:
  - i. Where treated surfaces will be covered with concrete or plaster.
  - ii. On concrete slabs with inadequately drained subgrade.
  - iii. On surfaces subject to hydrostatic water pressure.

iv. With other floor sealers, treatments, bond breakers, or adhesives without prior site test to determine compatibility and adhesion.

h. Applied concrete curing and sealing compounds shall be protected from damage during construction.

xv. Removal of Forms and Backfilling

After the concrete has set sufficiently, the forms shall be removed and the spaces on both sides shall be backfilled with suitable earth, uniformly spread and compacted. The areas between the curb and sidewalk, and immediately back of the sidewalk, shall be left in a smooth, neat, and workmanlike condition.

xvi. Protection of Concrete

Immediately after the forms have been removed, traffic shall be excluded from crossing the concrete for a period of approximately seven (7) days by erection and maintenance of suitable barricades. The permittee shall be responsible for any damage resulting from traffic within the seven (7) day period and he shall remove and replace any concrete damage as directed by the City's authorized representative.

xvii. Removal of Defective Work

The City Engineer shall have the authority to and shall require the removal of any sidewalk or portion thereof laid under these specifications which does not conform to the requirements as set forth herein. Upon notification in writing by the City Engineer, the permittee shall take immediate action to correct the faulty work.

xviii. Cleaning Site

Prior to the acceptance of the work, all surplus and rejected material and unsightly objects such as tones, stumps, limbs, roots, concrete, etc., shall be removed from the site and not be considered complete until all cleaning up has been done and the site is of a neat appearance with appropriate seeding, fertilizer, etc.

b. Curbs shall be replaced as follows:

i. Subgrade

The subgrade shall be excavated to the required depth (26 inches) below the finished surface in accordance with the plans to the lines and grades established by the City Engineer. All soft and yielding material or other unsuitable material shall be removed and replaced with 2A stone, the subgrade shall be compacted thoroughly and finished to a firm, smooth surface. No curb shall be poured until the subgrade is approved by the City Engineer.

ii. Protection of Subgrade

In no case shall curb be placed on frozen or muddy subgrade. Frost crystals or mud caused by freezing and thawing shall be removed and replaced with suitable material or allowed to dry before placing any curb. If ruts are formed in the prepared subgrade, the subgrade shall be scarified and thoroughly compacted.

iii. Forms

The forms shall be a metal of the necessary dimensions to construct the curb specified in the plans. Wood forms may be used where conditions make the use of metal forms impractical. The forms shall be set true to the line and grade

established by the City Engineer, and held rigidly in position so as to prevent leakage of mortar and springing out of line when the concrete is placed in them. The forms shall be true in line, free from warping or bending.

iv. Placing of Concrete

- a. The subgrade shall be moistened and the concrete shall be placed in the forms and tamped sufficiently to bring the mortar to the surface, after which it shall be finished smooth and even by means of a float.
- b. The curb shall be constructed in place in uniform sections ten (10) feet in length. Saw cut to a depth of two (2) inches and have a width of 3/16 of an inch. Expansion joints of suitable material shall be provided at the points designated on the plans.

v. Finishing

- a. The edge of the curb shall be finished with an approved edging tool of one-half inch (1/2") radius. Joints shall be similarly finished immediately after the templates have been removed.
- b. The front forms shall be left in place until the concrete has set sufficiently so that they can be removed without injury to the curbing. Upon the removal of the front forms, the concrete shall be rubbed down to a smooth and uniform finish, but no plastering will be allowed.
- c. No more concrete shall be laid than can be properly finished and covered during the daylight.

vi. Removing Forms

Rear forms shall not be removed from freshly placed concrete until it has set for at least twelve (12) hours. They shall be carefully removed and in such a manner as to prevent damage to the edges of the concrete.

**Section 2.** Severability. It is herein declared that the provisions of this Ordinance are severable, and if any provisions, portions, or sections of this Ordinance are declared to be illegal, invalid, or unconstitutional, the decisions of any Court, which makes declarations, shall not impair or affect any of the remaining portions of this Ordinance.

**Section 3.** Repealer. Any ordinance or part of any ordinance that conflicts with the provisions of this ordinance is hereby repealed to the extent of any such conflict on the effective date of this ordinance.

**Section 4.** Effective Date. This Ordinance shall become effective ten (10) days after enactment.

This Ordinance is duly ORDAINED AND ENACTED by a majority of the members of the City Council of the City of Jeannette at a duly advertised public meeting held on the 10th day of January, 2019.

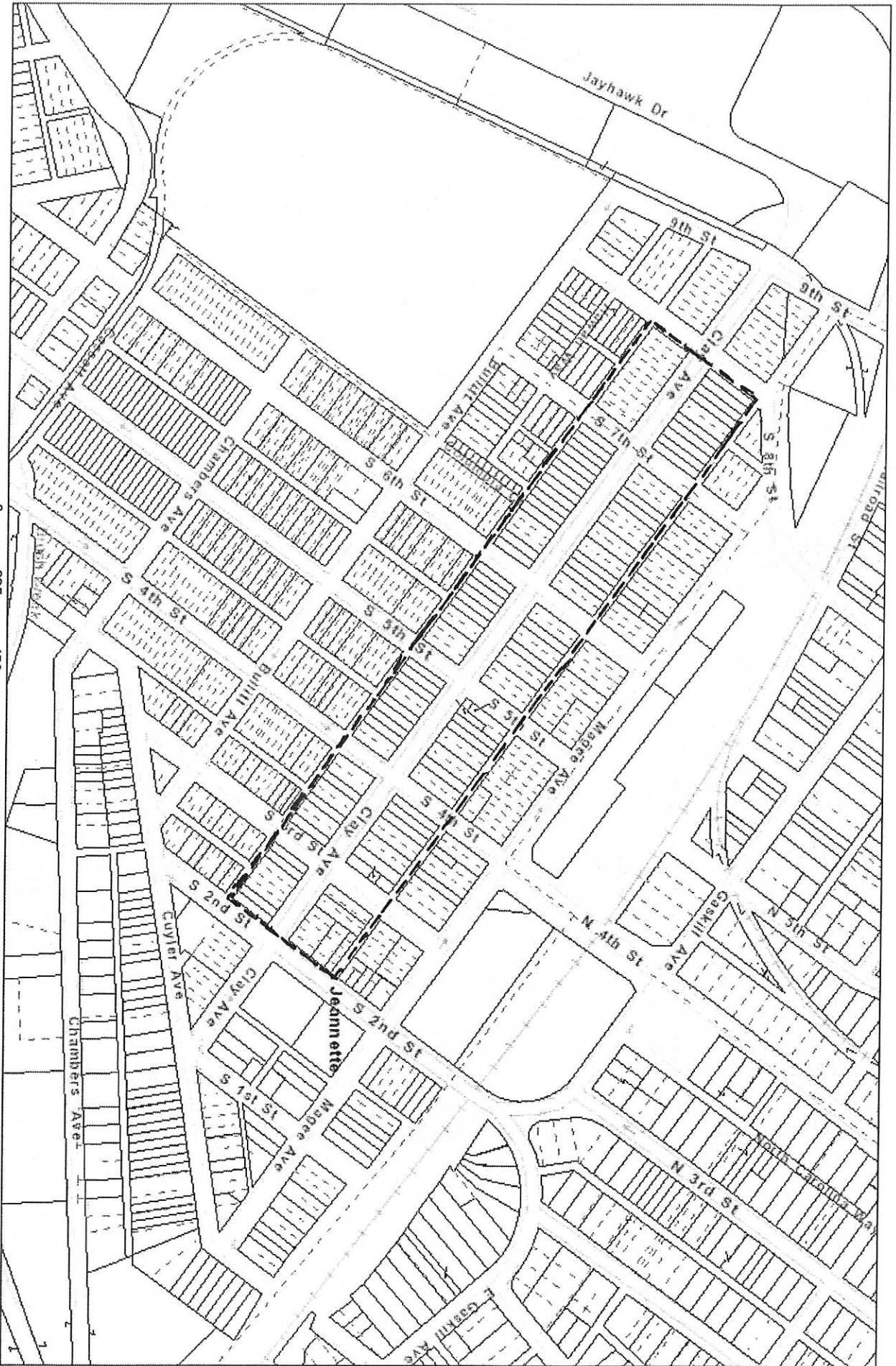


CITY OF JEANNETTE

By: Curtis J. Antoniak  
Curtis J. Antoniak  
Mayor and President of Council

ATTEST: (SEAL)

Michelle A. Langdon  
Michelle A. Langdon  
City Clerk



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Date: 12/13/2018