

An ORDINANCE repealing and rescinding Chapter 6 of the Code of the Town of Boonsboro Entitled "Paving of Sidewalks" and Re-Enacting Chapter 6 Entitled "Streets and Sidewalks" regulating the use and maintainance of the streets and sidewalks in the corporate limits of the Town of Boonsboro, Washington County, Maryland.

NOW, THEREFORE: Be it enacted and ordained by the Mayor and Council of Boonsboro that the ordinance "An ordinance passed by the Burgess and Council of Boonsboro, entitled "Paving of Sidewalks", Chapter 6 of the Code of the Town of Boonsboro be and hereby is rescinded and the following ordinance be and hereby is adopted:

Chapter 6

STREETS AND SIDEWALKS

ARTICLE I General Regulations

- § 6-1. Street alteration permit.
- § 6-2. Work done at request and expense of owner.
- § 6-3. Vehicle requirements.
- § 6-4. Covering required.
- § 6-5. Removal; failure to comply.
- § 6-6. Removal of mud or earth from tires.
- § 6-7. Enforcement.
- § 6-8. Tampering with material unlawful.
- § 6-9. Obstruction of view.
- § 6-10. Shade trees.
- § 6-11. Utility connections.
- § 6-12. House numbers.
- § 6-13. Cellar doors.
- § 6-14. Openings to be kept closed.
- § 6-15. Protection required.
- § 6-16. Firewood, coal, logs or other lumber on streets.
- § 6-17. Interference.
- § 6-18. Destroying signs and notices.

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- § 6-19. Adequate lighting required.
 - § 6-20. Discharge of water.
 - § 6-21. Banners across street prohibited.
 - §§ 6-22. through 6-24. (Reserved)

ARTICLE II
Sidewalks and Curbs

- § 6-25. Conformity required.
- § 6-26. Sidewalk specifications.
- § 6-27. Construction permit.
- § 6-28. Permit to cut curb.
- § 6-29. Abutting property owner's responsibility.
- §§ 6-30. through 6-32. (Reserved)

ARTICLE III
Excavations

- § 6-33. Permit required.
- § 6-34. Applications.
- § 6-35. Restoration costs.
- § 6-36. Adequate safety measures.

ARTICLE IV
Snow and Ice Removal

- § 6-37. Definitions.
- § 6-38. Snow and ice to be removed from sidewalks by private persons.
- § 6-39. Depositing of snow and ice restricted.
- § 6-40. Violations and penalties.

CHAPTER 6

ARTICLE I
General Regulations

§ 6-1. Street alteration permit.

The following form shall be used for a street alteration permit:

Street Alteration Permit

No.
Boonsboro, Maryland,19....

I/We, the undersigned do hereby make application to the Mayor and Council of Boonsboro for permission to dig up
.....
for a period of days from, for the purpose of laying pipe, in accordance with the Town Code, and to admit financial responsibility and obligate to pay to the city the sum of money equal to the costs of a complete restoration of the street, lane or alley; which said complete restoration shall be undertaken and completed by the Street Department of the Town of Boonsboro.

BY:
Boonsboro, Maryland19....

Permission is hereby granted the above applicant to dig up or disturb the street, lane or alley at the above location only for the period stated.

BY:
Mayor

§ 6-2. Work done at request and expense of owner.

A. Whenever the owner of any property situated along any street, highway or alley of the Town shall request the Mayor and Council, in writing, to set the curb, lay the gutter or pavement, raise the same to grade or repair the same in front of such property, it shall be lawful for the Mayor and Council immediately to set the curb, lay the gutter or pavement, bring the same to grade or repair the same, as the case may be, in front of such property, the actual cost of such work to become a lien upon the property from the time of conclusion of the work and to be collected as other Town taxes are collected. Such cost will include the overhead expenses involved.

B. Each property owner, before the Mayor and Council shall commence the work in question, shall sign a paper of the following tenor: "I hereby request the Mayor and Council to
.....
waiving all service of notice and agreeing that the actual cost of such work shall become a lien upon the property from the date of completion of the work, to be collected as other Town taxes are collected, as fully and to the same extent as if such work had been regularly ordered done by the Mayor and Council and all proceedings fully had in relation thereto by the Mayor and Council as now required by existing ordinances."

§ 6-3. Vehicle requirements.

No vehicle shall be driven or moved on any street or highway unless such vehicle is so constructed, loaded, operated and maintained as to prevent any of its load from dropping, sifting, leaking or otherwise escaping therefrom.

§ 6-4. Covering required.

No vehicle containing material of a light, dry, dusty or bulky nature shall be driven or moved on any street or highway except incompletely covered bodies or open bodies covered with heavy tarpaulins securely lashed to the frame of the bodies.

§ 6-5. Removal; failure to comply.

- A. Every person shall, within twenty-four (24) hours after being notified to do so by the Mayor and Council or anyone under his direction, remove from the streets and highways all earth, sand, rock, manure, rubbish, offal or building material that may have dripped, sifted, leaked from or otherwise escaped from vehicles used by such person in transporting or moving such material over the streets and highways of the Town.
- B. If any person shall fail to comply with this section, it shall be the duty of the Mayor and Council to have such material removed, and the cost of such removal shall be charged against the person responsible therefore.

§ 6-6. Removal of mud or earth from tires.

No vehicle shall be driven or moved on any street or highway from building or construction operations, open excavations or any other tracts or parcels of land unless the person driving or moving the vehicle shall first remove any mud or earth from the wheels, tires or tread of the vehicle in order to prevent such mud or earth from dropping, tracking or otherwise escaping therefrom onto the street or highway.

§ 6-7. Enforcement.

If any person shall, after being notified to clean and remove any mud or earth which has been dropped, tracked or permitted to escape from the wheels, tires or tread of vehicles driven or moved onto the streets or highways, fail to do so within twenty-four (24) hours after receiving such notice, it shall be the duty of the Mayor and Council to have such street or highway cleaned and the mud or earth removed therefrom and to charge the cost thereof against the person responsible.

§ 6-8. Tampering with material unlawful.

It shall be unlawful for any person to tamper with, remove or destroy barricades, barriers, trestles, signs or signals placed across or on any streets, alleys or highways of the Town by order of the Mayor and Council.

§ 6-9. Obstruction of view.

- A. It shall be unlawful for any person to suffer, permit or allow any tree or shrubbery, its foliage or branches thereof, or any poles, wires and other structures, which may be located on his property or located in, upon or adjacent to any street, alley or highway intersection or railroad crossing or abutting a sidewalk, alley, street or other public rights-of-way within the corporate limits of the Town; to obstruct the view of the public using the streets, alleys and highways of the Town.
- B. After due notice has been given to the owner of the lot by the Mayor and Council of the obstruction of view and upon the failure of the owner of the lot to remove the obstruction within thirty (30) days after said notice is given, then such Mayor and Council shall have the right to remove such obstruction and to charge the cost thereof against the owner or person responsible and collect the same as other debts are collected, which amount, if unpaid, shall become a lien against the property.
- C. If the person owning any lot or parcel of ground where any such obstruction exists shall fail or refuse to have such conditions corrected, after having been duly notified to do so, and shall interfere with the Mayor and Council or its agents and servants in correcting the same, he shall be guilty of a misdemeanor and shall be punishable in accordance with the general provisions of the Code of the Town of Boonsboro.

§ 6-10. Shade trees.

- A. It shall be unlawful for any person to suffer or permit the limbs or foliage of any tree on his property to extend over any sidewalk of the town at a height less than ten (10) feet from the ground or over any street or alley at a height less than fifteen (15) feet.
- B. Planting in curb strips, street, etc. It shall be unlawful for any person to plant or set a tree or trees within any sidewalk or plot between sidewalk and curb along any public right-of-way, street or avenue, subject to the following conditions:
- (1) Any tree planted within any sidewalk or plot between sidewalk and curb shall be of the twelve (12) species approved for streetside planting by the Mayor and Council. No other types shall be allowed unless approved by the Council.
 - (2) The approved trees shall be planted or set under the supervision and direction of the Mayor and Council and in such locations as approved by the Mayor and Council.
 - (3) Existing trees may be replaced with prior approved trees or trees within the area hereinabove specified under the supervision and direction of the Mayor and Council.
- C. The Mayor and Council shall have the right to trim or remove any tree for reason of obstruction or hazard.
- D. It shall be the duty and obligation of the owner of the property abutting a sidewalk, alley or street or other public right-of-way to maintain all vegetation on these adjacent rights-of-way, except trees planted as per § 1-10B.
- E. No person shall cut, belt, destroy or injure any tree or shrubbery on any of the streets, parks or other public places of the Town or on private property without the consent of the owner thereof. Any person violating this section shall, on conviction thereof, be guilty of a misdemeanor and be punishable in accordance with the general penalty provisions of the Code of the Town of Boonsboro.
- F. The term "tree" shall mean a perennial woody plant having a single self-supporting trunk generally with a few or no branches on its lower part.

G. The twelve (12) trees which are approved for streetside planting are:

- (1) Amur maple (*Acer palmatum*).
- (2) Bradford pear (*Pyrus calleryana*).
- (3) Columnar maple (*Acer rubrum conica* "scalon").
- (4) Golden raintree (*Koelrioteria paniculata*).
- (5) Green ash (*Fraxinus pennsylvania*).
- (6) Japanese maple (*Acer palmatum*).
- (7) Kwanan cherry (*Prunus serrulata* "kwanzau")
(median strip only).
- (8) Little leaf linden (*Tilia cordate* "greenspire").
- (9) London plane (*Platanus acerifolia*).
- (10) Red oak (*Quercus borealis*).
- (11) Sawtooth oak (*Quercus acutisima*).
- (12) Sweetgum (*Liquidambar styraciflua*).
- (13) Any other tree approved by the Council.

§ 6-11. Utility connections.

- A. All owners of property abutting upon a street, alley, lane or highway of the Town which is about to be constructed, paved or repaved, made, changed or repaired, to which property, water, gas, sewer and any and all necessary underground conduits, pipes and connections have not been made, shall lay or place such water, gas, swers and any and all necessary underground conduits, pipes and connections within twenty (20) days after having received written notice from the Mayor and Council to do so.
- B. Upon failure to comply with the written notice within twenty (20) days from the receipt thereof, the Mayor and Council is hereby authorized and directed to perform such work and charge the cost of the same to the property owner and may collect the same as other debts are collected, which amount, if unpaid, shall become a lien against the property.

§ 6-12. House numbers.

It shall be unlawful for any property owner or other person to place any number on any house in the Town until after such number shall have been approved by the Mayor and Council, or for any project owner or other person to maintain any number on any house in the Town which does not correspond with the correct number of the house as already determined by the Mayor and Council, or for any property owner or other person to change any number on any house after the house has been correctly numbered by the Mayor and Council.

§ 6-13. Cellar doors.

No cellar door shall be allowed on any pavement unless the same be made level with such pavement and unless the surface thereof shall be in some manner thoroughly roughed; and no other cellar door shall be allowed to be more than four (4) feet in length. All cellar doors shall be kept in good repair.

§ 6-14. Openings to be kept closed.

No person shall allow any cellar door or other opening on any street or sidewalk to remain unclosed.

§ 6-15. Protection required.

No owner of any improved or unimproved property fronting on any sidewalk or pavement shall allow any cellar area, or other opening, extending outward into the pavement or sidewalk to the depth of one (1) foot or more, to remain open unless guarded by a railing at least three (3) feet high.

§ 6-16. Firewood, coal, logs or other lumber on streets.

No person shall allow or permit any firewood, coal, logs or lumber of any kind to remain on any of the streets, lanes or alleys for a longer period than twenty-four (24) hours. This section shall not apply to persons who are erecting or repairing buildings.

§ 6-17. Interference.

It shall be unlawful for any person to interfere with, impede, hinder or obstruct in any manner the servants, employees, officers or agents of the Town while engaged in making, altering, repairing, grading or cleaning the streets, alleys or highways of the Town.

part thereof on town property along any public ways or part thereof.

(2) Grade, lay out, construct, reconstruct, pave, repave, repair, extend, or otherwise alter sidewalks on town property along any public way or part thereof.

(3) Require that owners of any property abutting on a sidewalk keep the sidewalk clear of all ice, snow, weeds, dirt, trash and other obstructions.

(4) Require and order the owner of any property abutting on any public way in the town to perform any projects authorized by this section at the owner's expense according to reasonable plans and specifications. If, after due notice, the owner fails to comply with the order within a reasonable time, the town may do the work, and the expense shall be a lien on the property and shall be collectible in the same manner as are town taxes or by suit at law.

Chapter 2

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public or private property within the Town of Boonsboro or in any area under the jurisdiction of said Town, any human or animal excrement, garbage or objectionable waste.

9-31. It shall be unlawful to discharge to any natural outlet within the Town of Boonsboro or in any area under the jurisdiction of said Town, any wastewater or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of the Ordinance.

9-32. Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of wastewater.

9-33. The owner(s) of all houses, buildings or properties used for human, occupancy, employment, recreation or other purposes, situated within the Town and abutting on any street, alley or right-of-way in which there is now located or may in the future be located a public sanitary or combined sewer of the Town, is hereby required at the owner's expense to install suitable toilet facilities therein and to connect such facilities directly with the proper public sewer in accordance with the provisions of this Ordinance, within ninety (90) days after date of official notice to do so, provided that said public sewer is within one hundred (100) feet (30.5 meters) of the property line.

9-34. Where a public sanitary or combined sewer is not available under the provisions of 9-33 of this Article, the building sewer shall be connected to a private wastewater disposal system complying with the provisions of the Article.

9-35. Before commencement of construction of a private wastewater disposal system the owner(s) shall first obtain an written permit signed by the superintendent. The application for such permit shall be made on a form furnished by the Commission, which the applicant shall supplement by any plans, specifications and other information as are deemed necessary by the superintendent. A permit and inspection fee of an amount to be established by the Commission shall be paid to the Commission at the time application is filed.

9-36. A permit for a private wastewater disposal system shall not become effective until the installation is completed to the satisfaction of the superintendent. The superintendent shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the superintendent when the work is ready for final inspection and before any underground portions are covered. The inspection shall be made within seventy-two (72) hours of the receipt of notice by the superintendent.

9-37. The type, capacities, location and layout of a private wastewater disposal system shall comply with all recommendations of the department of public health of the State

§ 6-18. Destroying signs and notices.

It shall be unlawful for any person to molest, destroy or remove any stake, post, stone or pin plated in any street, alley, lane or sidewalk for the purpose of indicating the grade thereof.

§ 6-19. Adequate lighting required.

Whenever any piles of bricks, stones, lumber or other building materials shall be left in any of the streets, lanes or alleys of the Town, they shall be designated during the nighttime by displaying light's lamps or lanterns. Such light shall be placed so that the materials will be easily seen by the persons using such streets.

§ 6-20. Discharge of water.

It shall be unlawful for any person to cause, suffer, permit or allow to flow or to be discharged and diverted into and upon any of the streets, alleys, lanes or highways or the Town, or into and upon any of the gutters thereof, any water or other fluid that may be used by such person operating any elevator, water motor or other machinery or mechanical contrivance whatsoever, unless a permit thereof first be granted by the Mayor and Council.

§ 6-21. Banners across street prohibited.

It shall be unlawful for any person to install or display in any manner whatsoever any banners of any kind across any of the streets of the Town.

§§ 6-22. through 6-24. (Reserved)

ARTICLE II Sidewalks and Curbs

§ 6-25. Conformity required.

All new construction of pavements, curbs or driveways shall be done in accordance with drawings No. 83-228-01, 83-228-02, 83-228-03, 83-229-01, 83-229-02, and 83-229-03 as prepared by the City of Hagerstown Engineering Department.

Replacement or repair of existing sidewalks, curbs or driveways shall also be done in accordance with the aforesaid drawings except that upon written application to the Mayor and Council and for good cause shown, the Mayor and Council may permit existing sidewalks constructed of brick and existing stone curbs to be repaired or replaced with the same type of materials (brick or stone) and in accordance with specifications approved by the Mayor and Council.

§ 6-26. Sidewalk specifications.

All sidewalks in the Town shall have a minimum width of four (4) feet and the marginal lines thereof shall be established by the Town Engineer.

§ 6-27. Construction permit.

Before the construction of any curb or sidewalk within the Town, a permit shall first be obtained from the Mayor and Council and a fee of \$5.00 shall be charged for such permit.

§ 6-28. Permit to cut curb.

Similar permits as are provided for in the preceding section shall be obtained for cutting curbs and shall only be issued when deemed advisable by the Mayor and Council. When curb openings in excess of thirty-five (35) feet shall be required, pedestrian islands of at least six (6) feet shall be required.

§ 6-29. Abutting property owner's responsibility.

- A. Sidewalks and curbs along the public streets and thoroughfares within the corporate limits of the Town shall be constructed and kept in a reasonable state of repair by the abutting property owner, when directed by the Mayor and Council to do so.
- B. When an abutting property owner is given notice to construct or repair a sidewalk or curb, or both a sidewalk and curb, as provided in the preceding subsection hereof, and its said owner fails to comply with said notice within ninety (90) days after said notice is given, then the person or corporation failing to observe the provisions of this section shall, on conviction thereof, be guilty of a misdemeanor and be subject to a fine not exceeding \$25.00 and each day such violation shall continue shall constitute a separate offense.

§§ 6-30. through 6-32. (Reserved)

ARTICLE III
Excavations

§ 6-33. Permit required.

Any person, including all the departments of the Town except the Street Department, desiring to dig up, tear up, destroy or repair any of the streets, lanes or alleys of the Town shall first obtain a written permit to do so.

§ 6-38. Snow and ice to be removed from sidewalks by private persons.

A. Every person in charge or control of any building or lot of land within the Town fronting or abutting on a paved sidewalk, whether as owner, tenant, occupant, lessee or otherwise, shall remove and clear away, or cause to be removed and cleared away, snow and ice from a path of at least forty-eight (48) inches in width upon and along so much of said sidewalk as is in front of or abuts on said building or lot of land.

(1) Except as provided in Subsection B hereof, snow and ice shall be removed from sidewalks in all business districts within a period of four (4) business hours after the cessation of any fall of snow, sleet or freezing rain, or by the beginning of the business hours of the next business day following such fall, whichever time is the shorter.

(2) Except as provided in Subsection B hereof, snow and ice shall be removed from all other sidewalks within the Town on the same day of the cessation of any fall of snow, sleet or freezing rain, or within the first ten (10) hours of daylight after the cessation of any such fall, whichever period is the longer.

B. However, in the event that snow and ice on a sidewalk has become so hard that it cannot be removed without likelihood of damage to the sidewalk, the person charged with its removal shall, within the time mentioned in Subsection A hereof, cause enough calcium chloride or some comparable substance to be put on the sidewalk to make travel thereon reasonably safe and shall then, as soon thereafter as weather permits, cause a path in said sidewalk of at least forty-eight (48) inches in width to be thoroughly cleaned.

§ 6-39. Depositing of ice and snow restricted.

No person shall deposit or cause to be deposited any snow and ice on or against a fire hydrant or on any sidewalk, roadway or loading and unloading areas of a public transportation system, except that snow and ice may be windrowed on public roadways incident to the cleaning thereof.

§ 6-40. Violations and penalties.

In the event of the failure of any person to clear away or treat with calcium chloride or some comparable substance and subsequently clear away any snow and ice from any sidewalk, as hereinabove provided, or cause this to be done, such person is hereby guilty of a misdemeanor and shall be punishable in accordance with the general penalty provisions of the Code of the Town of Boonsboro.

§ 6-41. Removal of snow and ice by Town; collection of costs.

- A. Irrespective of other provisions of this Article for penalizing the failure of any person to clear away or treat with calcium, chloride or some comparable substance and subsequently clear away any snow and ice from any sidewalk, as hereinbefore provided, or cause this to be done, in the event of any such failure of any person, then the same may be done by a person employed to do so on behalf of the Mayor and Council.
- B. A statement of account for the actual or established minimum cost of cleaning and removing snow and ice by the Town shall be presented to the Mayor and Council at any regular or special meeting, and, if approved, shall be placed in the hands of the Town Tax Collector and Treasurer, who shall immediately record the same among his records and enter therein the time and date of such recordation.
- C. The amount of the cost of removal of snow and ice by the Town shall be a debt of the owner of the abutting property and shall become due and payable when the statement thereof is placed in the hands of the Town Tax Collector and Treasurer. The Town Tax Collector and Treasurer shall proceed immediately to collect the same as municipal taxes are collected. Any such charge shall be a lien upon the abutting property.
- D. The owner of the abutting property shall have the right to appeal from the order of the Mayor and Council approving the charge of removal by the town to the Circuit Court of the county, all in accordance with the laws of this state.
- E. There shall be a reasonable charge for cleaning and removing snow and ice by the town of not less than \$0.25 for each linear foot of sidewalk from which the snow and ice may be so cleaned and removed.

§ 6-34. Applications

All applications for permits to dig up, tear up or disturb any street, lane or alley in the Town for the purpose of laying pipes of any kind, repairing the same or for any purpose whatsoever shall be in writing. They shall be made in duplicate to the Mayor and Council. Each of the two (2) applications shall be signed by the person or department seeking the permit. One (1) of such applications shall be kept by the applicant and the other one shall be retained and kept by the Mayor and Council of the Town. Each of the applications shall state the street, lane or alley to be dug up, torn up or repaired, the time for which such permit is desired and the admission of the financial responsibility of the applicant to the Town for the complete restoration of the street, lane or alley, so dug up, torn up or repaired.

§ 6-35. Restoration costs.

Whenever any person, shall receive a permit to dig up, tear up or repair any street, lane or alley in the Town, the person or department receiving such permit shall obligate himself or itself to pay to the Town the sum of money equal to the costs of a complete restoration of the street, lane or alley of the Town so dug up, torn up or repaired. Such complete restoration of the street, lane or alley shall be undertaken and completed by the Council of the Town at the expense of the permittee. This section shall not apply to the Town Street Department.

§ 6-36. Adequate safety measures.

Any person, including all officers and employees of the Town, who has obtained permission to dig up or disturb any of the streets, lanes or alleys of the Town, is required to take all proper measures to insure the safety of passing vehicles and pedestrians from loss of life or injury to person or property, by the erection of a fence or barrier by day, and in addition thereto by displaying one (1) or more lanterns at night, at the portion or portions left open, and also at every street crossing on the line of the work when the same may be left open.

ARTICLE IV Snow and Ice Removal

§ 6-37. Definitions.

The following definitions shall apply in the interpretation and enforcement of this ordinance:

BUSINESS DAY - Any day not a Sunday or national holiday.

BUSINESS HOURS - The hours between 8:30 a.m. and 4:00 p.m. on any business day.

Duly Adopted August 4, 1986

Date of Passage August 4, 1986

Effective Date August 4, 1986

Eligius C. Smith
Council

Richard W. Gross
Council

Chas. F. Farfman, Jr.
Council

Howard W. Long
Council

Robert S. Skelton
Council

Richard P. Hargitt
Council

John L. Howe
Mayor

Section H-60 CONCRETE CURB

DESCRIPTION

Article 60-1.1 This work shall consist of curb, made of concrete and constructed in accordance with these specifications at the locations and in conformity with the lines, grades, dimensions, and designs shown on the plans.

If shown on the plans, this work shall also include construction of a bed course.

MATERIALS

Article 60-2.1 Material for Bed Course.

Bed course material, if any is shown on the plans, shall consist of cinders, sand, slag, gravel, crushed stone, or other approved porous material of such grading that all the particles will pass through a sieve having $\frac{1}{2}$ -inch openings.

Article 60-2.2 Concrete.

Concrete shall be of the class indicated on the plans and shall conform to the requirements of Section H-50.

Article 60-2.3 Preformed Expansion Joint Filler.

Preformed expansion joint filler shall conform to the requirements of Article 50-2.8.

CONSTRUCTION

Article 60-3.1 Bedding.

Excavation shall be made to the required depth, and the base upon which the curb is to be set shall be compacted to a firm, even surface. All soft and unsuitable material shall be removed and replaced with suitable material.

If shown on the plans, bed course material shall be placed and compacted to form a bed of the required thickness.

Article 60-3.2 Placing.

Forms shall conform to the requirements of Section H-50. Metal forms shall be of approved section.

Mixing, placing, finishing, and curing of concrete shall conform to the requirements of Section H-50 as modified by the requirements given below.

The concrete shall be placed in the forms in layers of 4 or 5 inches each, and to the depth required. It shall be tamped and spaded until mortar entirely covers the top and formed surfaces. The top of the concrete shall be finished to a smooth and even surface and the edges rounded to the radii shown on the plans.

The curb shall be constructed in uniform sections 10 feet in length except where shorter sections are necessary for closures, but no section shall be less than 4 feet long. The sections shall be separated by sheet templates of metal set perpendicular to the face and top of the curbing. The templates shall be one-eighth of an inch in thickness, of the same width as that of the curb, and not less than 2 inches deeper than the depth. Templates shall be set

carefully and held firmly during the placing of the concrete and shall be allowed to hold its shape.

Expansion joints shall be formed at the intervals shown on the plans, using preformed filler one-half inch in thickness and conforming to the requirements of Section H-50. When a curb is placed next to a concrete pavement, expansion joints in the curb shall be located opposite expansion joints in the pavement.

The forms shall be removed within 24 hours after concrete has been placed. Minor defects shall be repaired with mortar containing one part of portland cement and two parts of fine aggregate. Plastering shall not be permitted on the faces and all rejected portions shall be removed and replaced at the contractor's expense. The exposed surfaces shall be finished, while the concrete is still green, by wetting a soft brick or a wood block and rubbing the surfaces until they are smooth. The surfaces shall be wet thoroughly, either by dipping the brick or block in water, or by throwing water on the surfaces with a brush. After the concrete has been rubbed smooth, using water, it shall then be rubbed with a thin grout containing one part of portland cement and one part of fine aggregate. Rubbing with grout shall continue until a uniform color is produced.

When completed, the concrete shall be covered with a suitable material and kept moist for a period of 3 days, or a membrane-forming material may be applied as provided in Article H-50-3.18. The concrete shall be suitably protected from the weather until thoroughly hardened.

After the concrete has set sufficiently, the spaces in front and back of the curb shall be refilled to the required elevation with suitable material, which shall be tamped, in layers of not more than 6 inches, until consolidated.

INSTALLING PRE-CAST CONCRETE CURB

In order for a property owner to install on his property, pre-cast curb as manufactured by the St. James Corporation of the City of Hagerstown, the following steps are necessary. They are as follows:

1. The equipment required will be a front end loader, a backhoe or any piece of equipment which can lift a 10' section of pre-cast curb by the center eyebolt which will be supplied by the St. James Corporation.

2. Prior to lifting pre-cast curb where required, it is necessary to perform the following functions:

- a. Excavate a trench 13 $\frac{1}{2}$ " below the existing street grade and 12" in width.
- b. After excavation, the existing trench is to be compacted thoroughly.
- c. After compacting the trench, place 1"-2" of rock dust or crusher fines, rake until smooth, water and then compact thoroughly.
- d. A string line should be placed between two (2) stakes showing the true alignment of the curb and also showing the 6 $\frac{1}{2}$ " elevation above the street grade.

3. Raise the first section of pre-cast curb and install in the trench so that it matches the string line which you have set in place. Pick up the second section of pre-cast curb, making sure that the male section of the second section will fit into the female section of the first section; also aligned to the string line you have set. Allow one corner to set on the fines and ram the second section into place with a crowbar. Make sure that both sections fit tightly. Continue the above process until all sections have been installed. Use dirt left over from excavating the trench to backfill behind the curb when completed laying the curb.

REPLACEMENT OF BRICK SIDEWALK

DESCRIPTION

This work shall consist of the repair or replacement of existing brick sidewalk on new rigid base and new granular base in accordance with these specifications and in conformance with the lines, grades, dimensions and designs shown on the plans. All work shall be in accordance with City of Hagerstown Standards as shown on Drawing Number 83-228-03.

MATERIALS

1. Material for Porous or Granular Base

Porous or granular base material shall consist of a course of crushed aggregate placed and compacted to the required thickness on a prepared bed. The materials shall conform to the requirements of Article 200-2.1, 2.2, 2.2.1 and 2.2.2.

2. Concrete

Concrete shall be Class 'A-1' with a minimum twenty-eight (28) day compressive strength of 3,750 P.S.I. (6½ bag mix). Materials used shall conform to the requirements of Article 201-1.1, 1.2, 1.3, 1.3.1 (Grading 'C'), 1.4, 1.5, 1.6, 1.7, 1.7.1 (Nominal Slump 0-2" Maximum 3") and 1.7.3.

3. Expansion Joint Filler and Joint Sealants

Expansion joint filler and joint sealants shall conform to the requirements of Article 201-3.1, 3.2, 3.6 and 3.9.1.

4. Concrete Curing Compound

Concrete Curing Compound shall conform to the requirements of Article 201-4.1.

5. Brick

In general, existing brick shall be reused for the new sidewalk. Where new bricks are required, they shall match existing brick as closely as possible. New bricks shall conform to the requirements of Article 202-1.1.

6. Mortar

Mortar for setting bed and grouting joints shall conform to the requirements of Article 201-5.1, 5.2, 5.3, 5.4 and 5.5 and 202-1.5.

CONSTRUCTION METHODS1. Preparation of Bed

Excavation shall be made to the required depth and the foundation shaped to conform to the section shown on the plans and compacted to a firm even surface. All soft and unsuitable material shall be removed and replaced with acceptable material.

2. Porous or Granular Base

Porous or granular base material shall be placed and compacted to form a base course of the required thickness.

3. Forms and Expansion Joints

Forms shall be made of metal or of straight and sound lumber at least two (2) inches in thickness. They shall be free of warp and of sufficient strength to resist springing out of shape under pressure of the concrete. Forms shall be staked securely in position at the correct line and grade.

Preformed expansion joint filler of the dimensions shown on the plan shall be set in the positions shown on the plans before the placing of concrete is started.

4. Concrete Base

The mixing, placing, finishing and curing of the concrete base shall be in conformance with all City of Hagerstown Standards for Concrete Sidewalk except that transverse and longitudinal expansion joints will not be required except at the limits of work and tooled joints will not be required. Concrete finish shall be as suitable for the application of the mortar setting bed. Notify the City Engineering Department prior to pouring any concrete.

5. Mortar

Mortar for the setting bed and for grouting shall be freshly prepared and uniformly mixed in the proper proportions as specified herein. Mortar shall be mixed and placed in the setting bed at a rate consistent with the progress of the brick laying. At the end of the day's work, mortar shall be completely removed from the setting bed flush with the edges of the last brick laid.

6. Brick

Brick to be reused shall be thoroughly cleaned and stockpiled neatly on the job site. Brick shall generally be relaid in the same pattern as that removed, or in the pattern as specified on the plans. Joints shall be filled with mortar and tooled. Brick shall be protected from staining from grouting or other sources and excess mortar shall be cleaned off the surfaces as the work progresses. At the completion of the work, all exposed masonry shall be thoroughly cleaned. Brick shall be accurately laid to the line and grade shown on the plans. Notify the City Engineering Department prior to laying any brick.

GENERAL

Where new concrete curb is required, the curb shall be constructed in conformance with City of Hagerstown Standards. Curb construction shall be completed prior to beginning work on the brick sidewalk construction, except for excavation.

MEASUREMENT

The quantity to be paid for shall be the number of square feet of brick sidewalk, completed and accepted.

PAYMENT

The quantity, determined as provided above, shall be paid for at the contract price per unit of measurement for the pay item listed below, which price and payment shall be considered full compensation for furnishing and placing all materials, including all labor, equipment, tools and incidentals necessary to complete the work prescribed in this specification, except excavation which shall be paid for as provided in the plans and specifications.

PAY ITEM NO. AND NAME

UNIT OF MEASUREMENT

Standard Brick Sidewalk

Square Foot

MEASUREMENT

Article 61-4.1 The quantity to be paid for shall be the number of square feet of concrete sidewalk, completed and accepted.

PAYMENT

Article 61-5.1 The quantity, determined as provided above, shall be paid for at the contract price per unit of measurement for the pay item listed below, which price and payment shall be full compensation for furnishing and placing all materials, including all labor, equipment, tools, and incidentals necessary to complete the work prescribed in this section, except excavation which shall be paid for as provided in Section H-12.

PAY ITEM NO. AND NAME

UNIT OF MEASUREMENT

61 (1) Concrete sidewalk

Square foot

SECTION H-61 CONCRETE SIDEWALK

DESCRIPTION

Article 61-1.1 This work shall consist of concrete sidewalks constructed on prepared beds in accordance with these specifications and in conformity with the lines, grades, dimensions, and designs shown on the plans.

If shown on the plans, the work shall include the construction of bed course.

MATERIALS

Article 61-2.1 Material for Bed Course.

Bed course material, if any is shown on the plans, shall consist of cinders, sand, slag, gravel, crushed stone, or other approved porous material of such grading that all particles will pass through a sieve having $\frac{1}{2}$ " square openings.

Article 61-2.2 Concrete.

Concrete shall be of the class shown on the plans and shall conform to the requirements of Section H-50.

CONSTRUCTION

Article 61-3.1 Preparation of Bed.

Excavation shall be made to the required depth, and the foundation shall be shaped to conform to the section shown on the plans and compacted to a firm, even surface. All soft and unsuitable material shall be removed and replaced with acceptable material.

If indicated on the plans, bed course material shall be placed and compacted to form a bed course of the required thickness.

Article 61-3.2 Forms and Expansion Joints.

Forms shall be made of metal or of straight and sound lumber at least 2 inches in thickness. They shall be free of warp and of sufficient strength to resist springing out of shape under pressure of the concrete. Forms shall be staked securely in position at the correct line and elevation.

Reformed expansion joint filler of the dimensions shown on the plans shall be set at the positions shown on the plans before the placing of concrete is started.

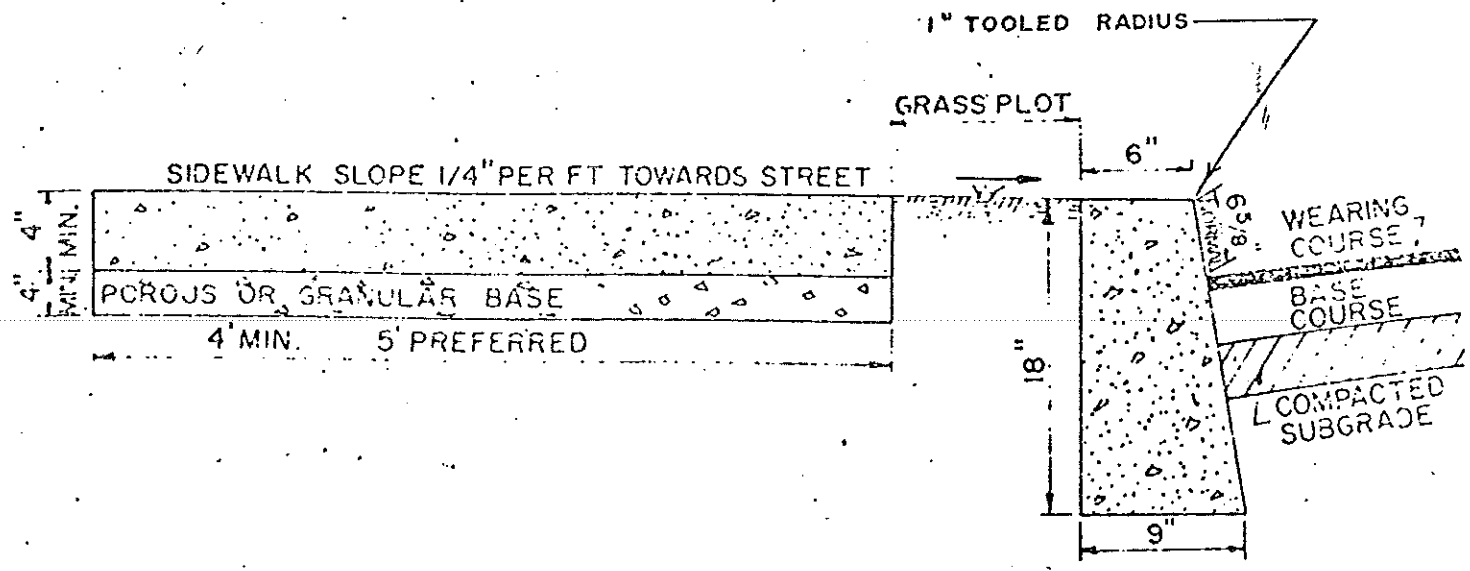
Article 61-3.3 Placing.

The mixing, placing, finishing, and curing of concrete shall be as provided in Section H-50.

The concrete sidewalk between expansion joints shall be divided into blocks by transverse cuts, extending to at least one-third the depth of the slab, where called for on the plans or directed by the Engineer.

The edges of the sidewalk and the transverse cuts shall be shaped with a suitable tool, so formed as to round the edges to a $\frac{1}{2}$ inch radius.

11-28-67



NOTES:

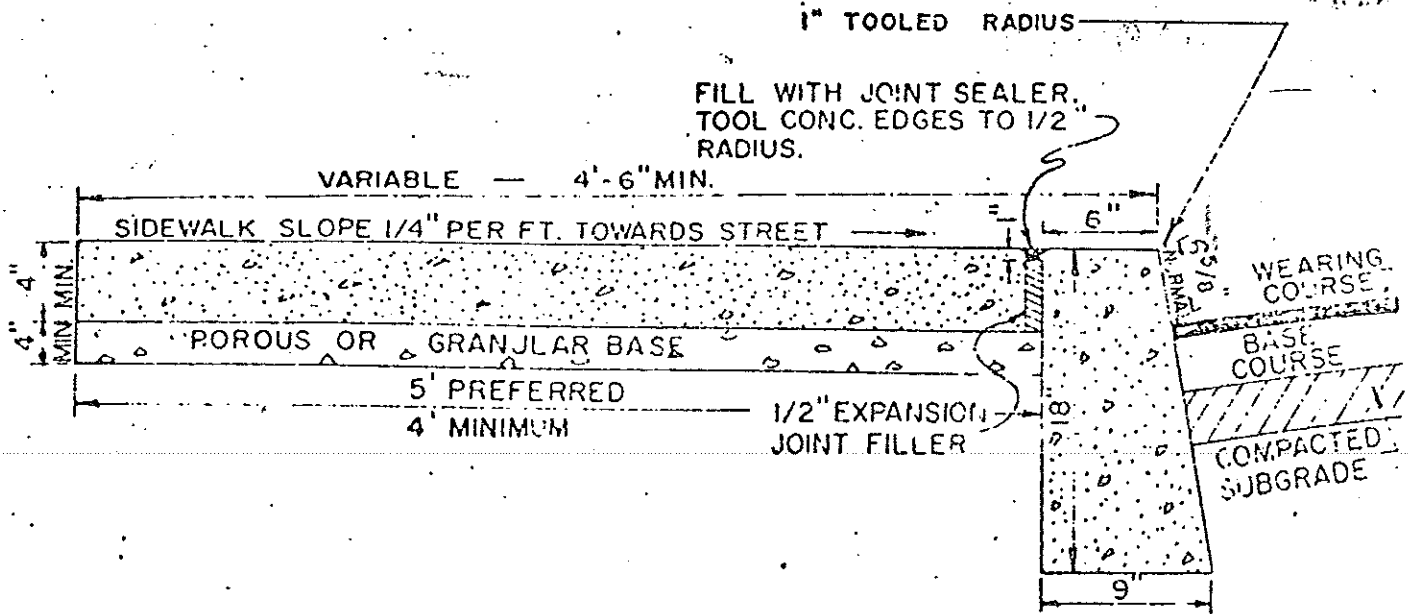
1. FOR SIDEWALK DETAILS SEE CITY OF HAGERSTOWN SPECIFICATION NO H-61.
2. WHERE DRIVEWAY CROSSES SIDEWALK REFER TO DRIVEWAY DETAILS.
3. ALL SIDEWALKS CONSTRUCTED AS HEREIN DETAILED SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS OF THE CITY OF HAGERSTOWN.
4. TRANSVERSE EXPANSION JOINT TO BE PLACED AT INTERVALS NOT TO EXCEED 40 FT. AND LOCATED OPPOSITE EXP. JT. IN CURB.
5. CONCRETE FOR CURB & SIDEWALK CONSTRUCTION SHALL BE CLASS 'A', 6 1/2 BAG MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3750 P.S.I.
6. SIDEWALK BETWEEN EXPANSION JOINTS SHALL BE DIVIDED INTO 5' BLOCKS BY TRANSVERSE CUTS.
7. GRASS PLOT WIDTH TO CONFORM TO EXISTING CONDITIONS OR AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER PRIOR TO THE CURING OF CONCRETE.

CITY OF HAGERSTOWN, MD.

ENGINEERING DEPARTMENT

TYPICAL SIDEWALK SECTION WITH GRASS PLOT

	DATE	DWG. No. 83-228-01
DRAWN: Hastings	12-17-65	
REVISED BY: [unclear]	11-28-67	SCALE: N.T.S.
APPROVED:		



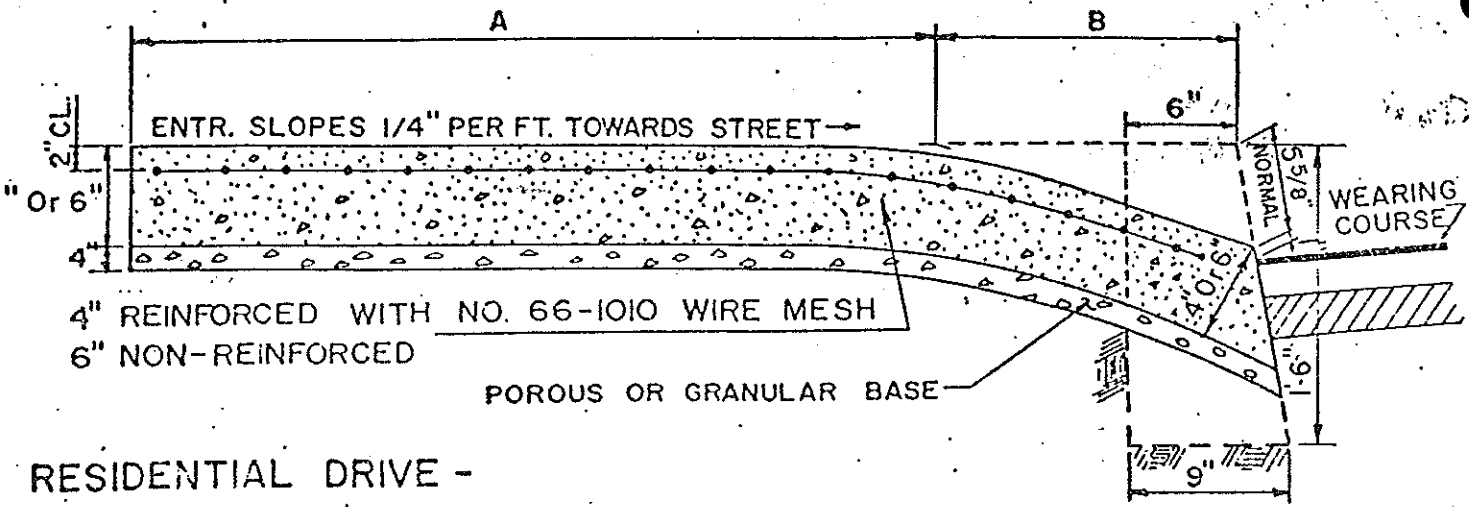
NOTES:

1. FOR SIDEWALK DETAILS SEE CITY OF HAGERSTOWN SPECIFICATION N°H-61.
2. WHERE DRIVEWAY CROSSES SIDEWALK REFER TO DRIVEWAY DETAILS.
3. WILL NOT ALLOW AN INTEGRAL POUR OF SIDEWALK TO CURB.
4. ALL SIDEWALKS CONSTRUCTED AS HEREIN DETAILED SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF HAGERSTOWN.
5. TRANSVERSE EXPANSION JOINT TO BE PLACED AT INTERVALS NOT TO EXCEED 40 FT. AND LOCATED OPPOSITE EXP. JT. IN CURB.
6. CONCRETE FOR CURB & SIDEWALK CONSTRUCTION SHALL BE CLASS 'A', 6 1/2 BAG MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3750 P.S.I.
7. SIDEWALK BETWEEN EXPANSION JOINTS SHALL BE DIVIDED INTO 5' BLOCKS BY TRANSVERSE CUTS.
8. SIDEWALK WIDTH GREATER THAN 7' WILL REQUIRE A LONGITUDINAL CUT 5' BEHIND REAR FACE OF CURB OR AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER PRIOR TO THE POURING OF CONCRETE.

CITY OF HAGERSTOWN, MD. — ENGINEERING DEPARTMENT

TYPICAL SIDEWALK SECTION
WITHOUT GRASS PLOT

	DATE	DWG. NO. 83-228-02
DRAWN Hastings	12-20-65	
REVISED A. Light, jr	11-28-67	SCALE N.T.S.
APPROVED		



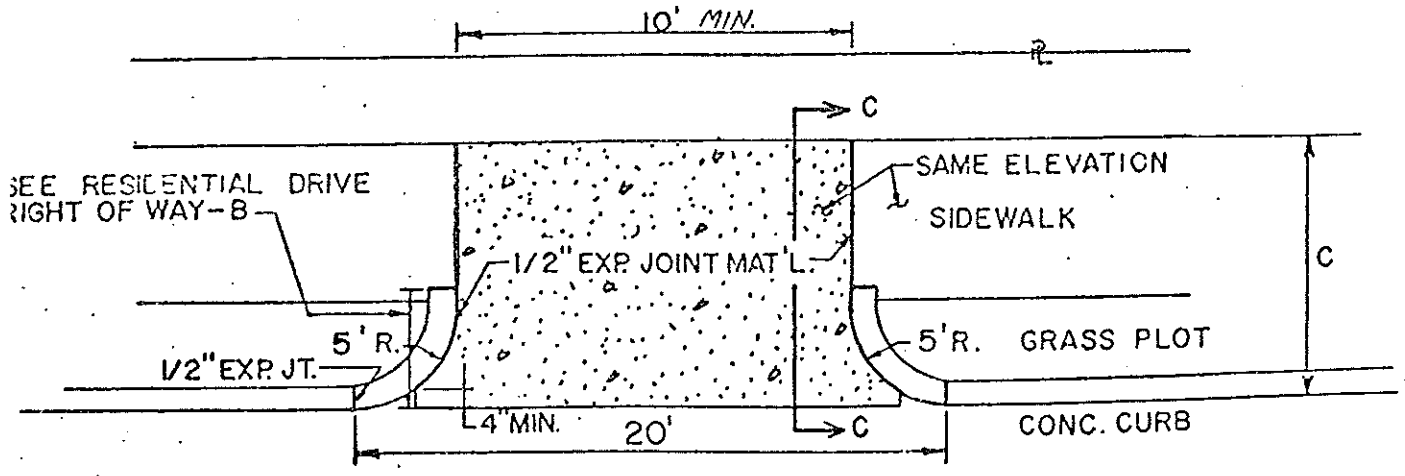
RESIDENTIAL DRIVE -

I. SECTION C-C

C	A	B
1. 11 FEET	8'-0"	3'-0"
2. 10 FEET	7'-0"	3'-0"
3. 8 FEET	5'-6"	2'-6"
4. 7.5 FEET	5'-0"	2'-6"
5. FOR NONSTANDARD STREET USE A & B AS APPROVED BY CITY ENGINEER		

2. SPECIFICATIONS

- a. ALL DRIVEWAYS CONSTRUCTED AS HEREIN DETAILED SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF HAGERSTOWN.
- b. CONCRETE FOR DRIVEWAY CONSTRUCTION SHALL BE CLASS 'A', 6 1/2 BAG MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3750 P.S.I.



- PLAN OF DRIVEWAY OVER WALK -

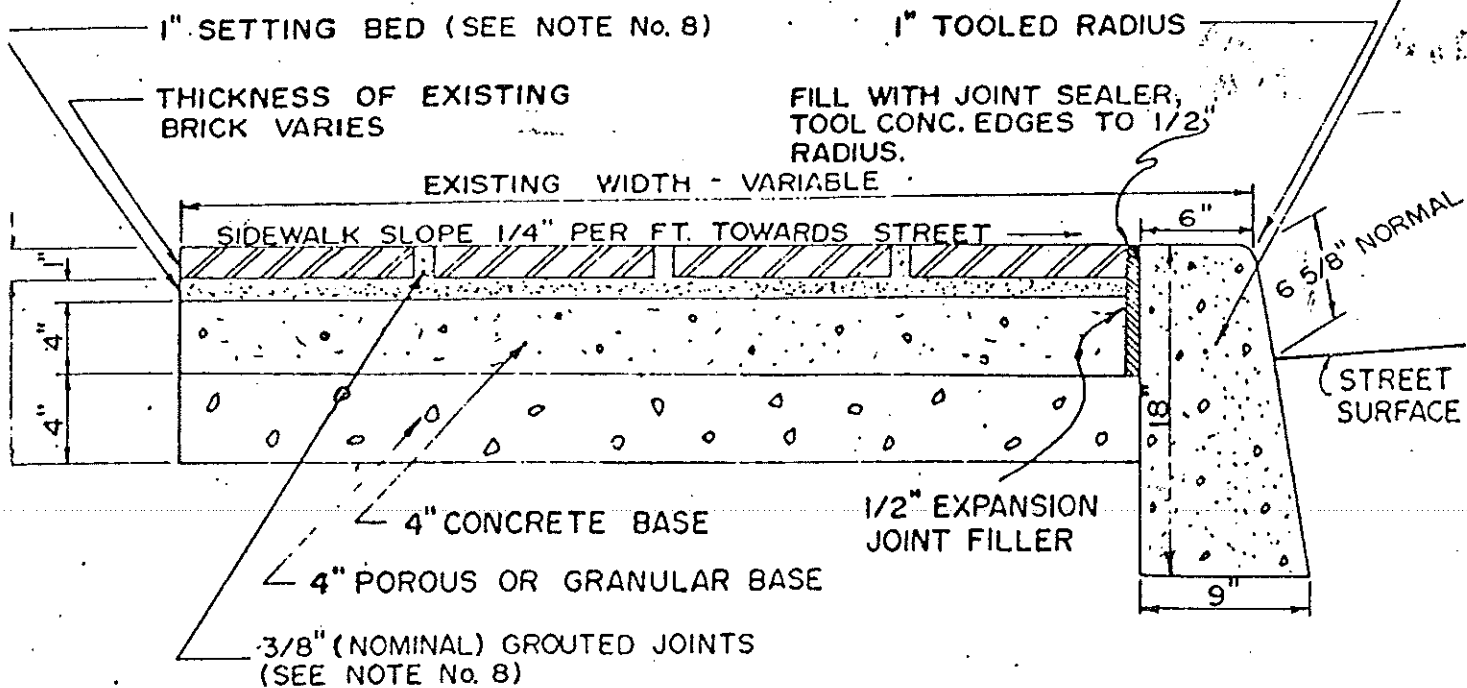
NOTE: WHERE 4' OR 5' WIDE SIDEWALK ABUTTS CURB CONSTRUCT 5' RADII TO BACK EDGE OF SIDEWALK. FOR GREATER SIDEWALK WIDTH CONSULT CITY ENGINEER'S OFFICE.

CITY OF HAGERSTOWN, MD. - ENGINEERING DEPARTMENT

TYPICAL RESIDENTIAL DRIVEWAY ENTRANCE
OVER SIDEWALK

DRAWN Hastings	DATE 12-20-65	DWG. NO. 83-229-01
REVISED A.E. Light, Jr.	11-28-67	
APPROVED		SCALE N.T.S.

NEW CITY STANDARD CONCRETE CURB WHERE REQUIRED



NOTES:

1. FOR SIDEWALK DETAILS SEE CITY OF HAGERSTOWN SPECIFICATIONS.
2. ALL SIDEWALKS CONSTRUCTED AS HEREIN DETAILED SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF HAGERSTOWN.
3. CONCRETE FOR CURB & SIDEWALK BASE CONSTRUCTION SHALL BE CLASS 'A-1', 6 1/2 BAG MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3750 P.S.I.
4. EXISTING BRICKS TO BE THOROUGHLY CLEANED BEFORE RELAYING.
5. WHERE DRIVEWAY CROSSES SIDEWALK, REPLACE WITH CITY STANDARD CONCRETE DRIVEWAY PER DWGS. 83-229-01 & 02. BRICK SIDEWALK TO MEET CONC. DRIVEWAY ON EACH SIDE.
6. IF EXISTING GRASS PLOT IS TO BE RETAINED ADJACENT TO CURB, OMIT THE 1/2" EXPANSION JOINT FILLER.
7. THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER PRIOR TO THE POURING OF CONCRETE OR LAYING OF BRICK.
8. CEMENT MORTAR SHALL BE MIXED IN THE FOLLOWING PROPORTIONS:

MATERIAL	PORTLAND CEMENT	DRY SAND	LIME
SETTING BED	1 PART	3 PARTS	1/4 to 1/2 PART
GROUTING JOINTS	1 PART	3 PARTS	Up to 1/10 PART

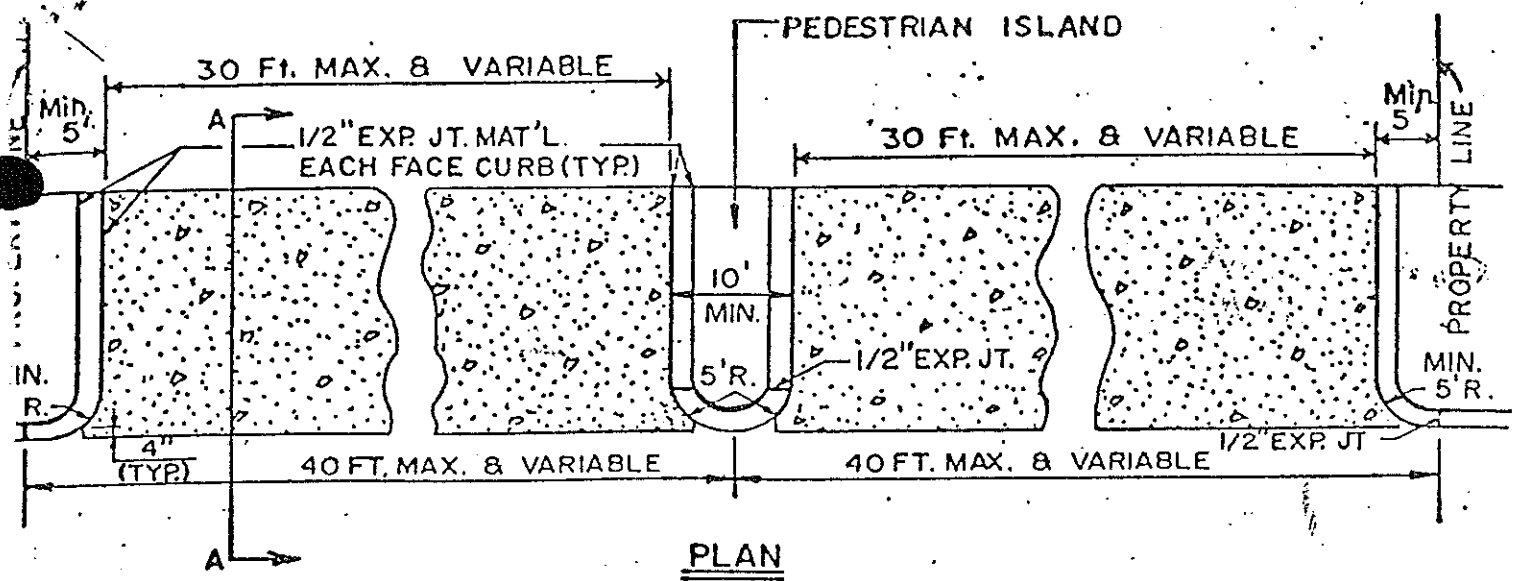
PART OF DWG. NO. 16-192-03

CITY OF HAGERSTOWN, MD.

ENGINEERING DEPARTMENT

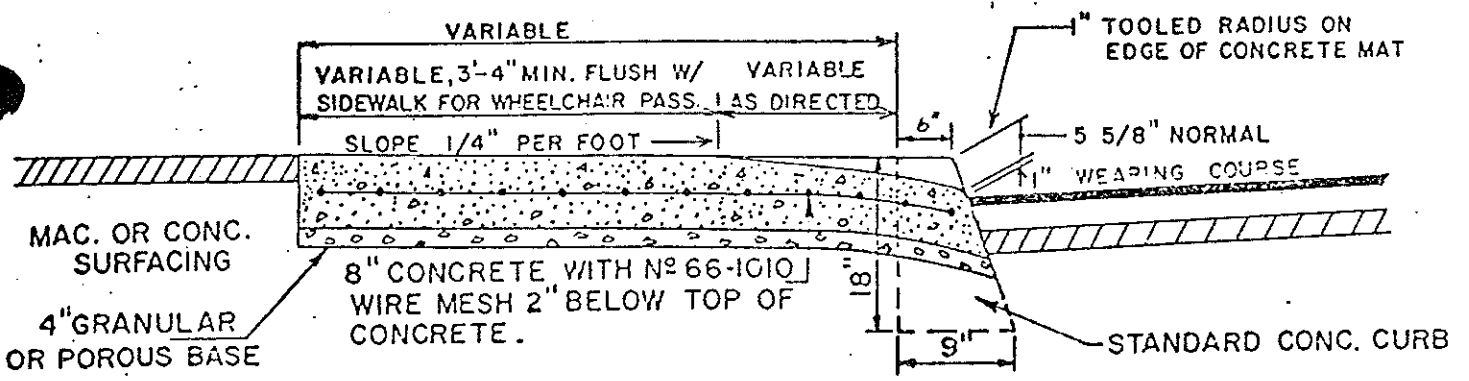
TYPICAL BRICK SIDEWALK SECTION FOR REPLACEMENT OF EXISTING BRICK SIDEWALKS

	DATE	DWG. NO. 83-228-03
DRAWN D.K.	1-28-76	
CHECKED		SCALE N.T.S.
APPROVED		



NOTE:

- a. ALL DRIVEWAYS CONSTRUCTED AS HEREIN DETAILED SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF HAGERSTOWN.
- b. CONCRETE FOR DRIVEWAY CONSTRUCTION SHALL BE CLASS 'A', 6 1/2 BAG MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3750 P.S.I.



SECTION A-A

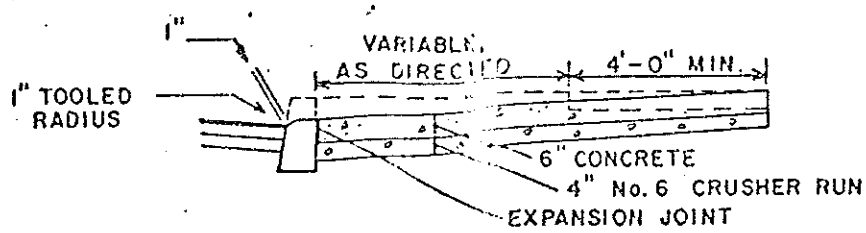
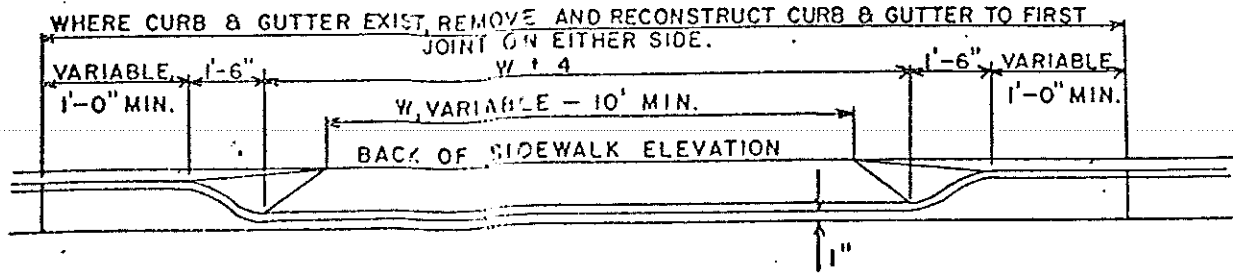
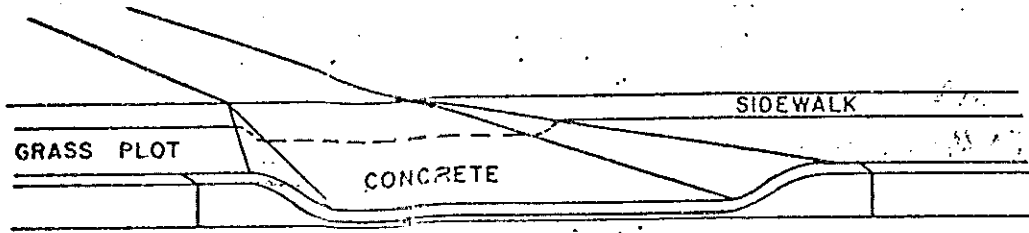
2-79 - SIDEWALK REVISED TO FLUSH WITH CURB AND RELATED DIMENSIONS - STG.
 3-78 - REV. TO SHOW WIDTH AT REAR OF ENTRANCE - C.S.
 -78 - PEDESTRIAN ISLAND REV. TO 10' MIN. RADII TO 5' MIN. - D.W.

CITY OF HAGERSTOWN, MD. — ENGINEERING DEPARTMENT

TYPICAL COMMERCIAL DRIVEWAY ENTRANCE
 & PEDESTRIAN ISLAND

DRAWN: Hastings	12-21-65
REVISED: A.E. Light	11-29-67
APPROVED:	

DWG. NO. 83-229-02
 SCALE N.T.S.



USE RESIDENTIAL DRIVEWAY ENTRANCE EXCEPT WHERE APPROVED BY THE CITY ENGINEER

CITY OF HAGERSTOWN, MD.

ENGINEERING DEPARTMENT

TERNATE RESIDENTIAL DRIVEWAY
ENTRANCE WITH DEPRESSED CURB

	DATE	DWG. NO. 83-229-03
DRAWN STG	2/9/79	
CHECKED		SCALE N.T.S.
APPROVED		

**ARTICLE V
REQUIRED IMPROVEMENTS**

Section 219-35. Purpose and Applicability.

- A. The purpose of this article is to delineate the Required Improvements as defined herein which shall be required of the applicant as condition for final approval.
- B. All construction shall be completed in accordance with Specifications as defined in the Department of Engineering's Public Ways: Construction Standards and Engineering Guidelines or successor documents , the City of Hagerstown Zoning Ordinance, and constructed in a manner acceptable to the Commission and other applicable City departments and agencies.
- C. All Required Improvements delineated in these Regulations shall be installed and constructed by the developer who shall pay all costs involved in installation, construction, inspection, and testing.
- D. Approval of the Final Plat by the Commission does not constitute permission to construct Required Improvements. Appropriate permits must be obtained from the City Engineer and other applicable departments and agencies before construction may commence.

Section 219-36. Streets and Alleys.

Streets and alleys shall be graded and surfaced in accordance with Specifications and the design standards in the Department of Engineering's Public Ways: Construction Standards and Engineering Guidelines or successor documents.

In the case of a subdivision containing lots fronting on an existing State, County, or City maintained road, the developer shall provide required right-of-way as necessary to serve the needs of such subdivision for access and traffic.

Section 219-37. Street Signs.

Street signs shall be installed in accordance with specifications at all street intersections and shall comply with adopted City and state policies and ordinances, as applicable.

Section 219-38. Street Lights.

Street lights shall be installed in all subdivisions. The Hagerstown Light Department, or their designee, will design and/or approve the street light system.

The developer is responsible for the purchase and installation, to approved Hagerstown Light Department specifications, of the street light system. The Hagerstown Light Department shall furnish or contract to furnish electrical power during this time, at no charge to the developer, and shall assume all operation and maintenance costs of the entire installed system, one (1) year after the City of Hagerstown