



City of Elmira, New York

SIDEWALK ***SPECIFICATIONS AND STANDARDS***

Effective Date: April 1992
Revised Date: February 2007

Just a click away...



This document, the Sidewalk Permit Application, and other specifications and standards are available online at: www.cityofelmira.net

TABLE OF CONTENTS

<u>SECTION</u>		<u>PAGE</u>
I	General	1
II	Portland Cement Sidewalks	3
III	Asphaltic Cement Sidewalks	5
IV	Safety Requirements	7
V	Insurance Requirements	8
VI	List of Abbreviations	9
VII	Bibliography	10

CITY OF ELMIRA
AMENDED ORDINANCE
REQUIRED FEES (2-5-2007)

SECTION I – GENERAL

The City of Elmira requires that the permittee will build either a Portland cement sidewalk or an asphaltic cement sidewalk. It will conform to the New York State Department of Transportation (NYSDOT) Standard Specifications for “Sidewalks” and also conform to line and grade designated by the Engineer of the City of Elmira or his representative. Removal of the existing sidewalk shall not begin until the line and grade has been given.

Asphaltic concrete may be used for the replacement of the sidewalk in the driveway section, otherwise, no patching or individual block replacement with asphaltic concrete in a Portland cement sidewalk will be allowed.

No overlay of asphaltic concrete on an existing Portland cement sidewalk will be allowed.

In the event that a citation is issued for a tripping hazard, patching to repair the hazard will be allowed after obtaining written permission from City of Elmira Inspection Services. The patch material shall be Portland cement concrete. To allow for better bonding, 3/4” diameter holes must be drilled 4” into the existing surface. A permit shall be required for patching of this type.

If a governmental agency shall replace a sidewalk for a property owner, the replacement material shall be of the same type as existed prior to the replacement.

Procedures for obtaining a sidewalk permit shall be as indicated below:

- a) A property owner may obtain the permit for the sidewalk. This is only recommended when the property owners intend to complete the sidewalk repair/construction themselves. That being the case, the property owner must comply with the specifications, procedures, and provisions of Sections I through VI, inclusive.*
- b) When a contractor is to be used for construction or repair of the sidewalk, the contractor shall have the responsibility for obtaining the permit. The specifications, procedures, and provisions of Sections I through VI, inclusive, shall apply.*

***Note:** The permittee is liable for any and all injuries and damages to person or property arising in any way as a result of work performed to install or replace the sidewalk.

It will be the responsibility of the permittee to replace any survey markers disturbed during construction. This work shall be performed by a licensed land surveyor.

SECTION I – GENERAL (Continued)

It is recommended that property owners should not pay for work completed until it has been inspected and approved by the Department of Public Works Engineering Division.

VANDALISM:

Any vandalism (excluding that done to the curing compound) shall be the sole responsibility of the permittee.

COMPLETION DATE:

No sidewalk work will be done after November 15 of the current year or before April 15 of the following year.

SUB-BASE COURSE:

Sidewalks shall be constructed on a well-compacted and graded granular base of at least (4) inches. Granular base shall meet NYSDOT Standard Specifications Section on “Sub-base Course.” This applies for both Portland cement and asphaltic concrete sidewalks.

The permittee is responsible for the quality of the sidewalk and any related work therein and shall guarantee this work against failure for a period of three (3) years. This guarantee does not cover damage resulting from accident, disaster, misuse, abuse, or modification of the sidewalk.

Note: Specifications and Standards not addressed in this document must meet the current NYSDOT Standards and Specifications for construction and materials.

SECTION II – PORTLAND CEMENT SIDEWALKS

MATERIAL:

The requirements and composition shall comply with the specifications for Class “A” concrete in the NYSDOT Standard Specifications Section on “Portland Cement Concrete – General.” Concrete shall be proportioned in accordance with the aggregate weights specified for Class “A” concrete.

METHODS OF CONSTRUCTION:

Sidewalks will be four (4) inches in depth except in driveways other than normal private driveways (i.e., commercial drives, alleys, parking lot entrances). At such places the sidewalk will be six (6) inches in depth. Sidewalk will have the normal cross-slope of one-fourth (1/4) inches per foot drop towards the street, except where permission to alter the slope is given by the Engineer of the City of Elmira or his representative. Dummy transverse joints shall be placed at five (5) feet intervals and the joints shall be finished with a scoring tool. At intervals of twenty (20) feet the transverse joint shall extend full depth and shall contain one-half (1/2) inches pre-molded bituminous joint material. Joint material is also required where walks abut on curbs, pavements, buildings, adjoining walks or other rigid structures. This shall be an acceptable flexible expansion material approved by the City of Elmira Engineer or his representative. The top surface should be scored at intervals of five (5) feet so that the finished walk will be marked in squares both longitudinally and transversely. Where adjacent walks are four (4) feet wide, a four (4) foot walk can also be built.

The concrete shall be laid in one course in acceptable forms and shall be worked and floated so as to give a smooth uniform surface free of holes and satisfactory to the Engineer of the City of Elmira or his representative. No concrete shall be laid until the form installation and sub-base preparation is inspected and approved by the City of Elmira Engineer or his representative. The concrete shall be finished to produce a smooth surface and then lightly broomed to a uniform texture. This broomed finish shall be perpendicular to the walking flow in a straight line. Any other finish is not acceptable. Each flag will be edged giving a “window pane” effect, one (1) inch to three (3) inches in width.

CURING:

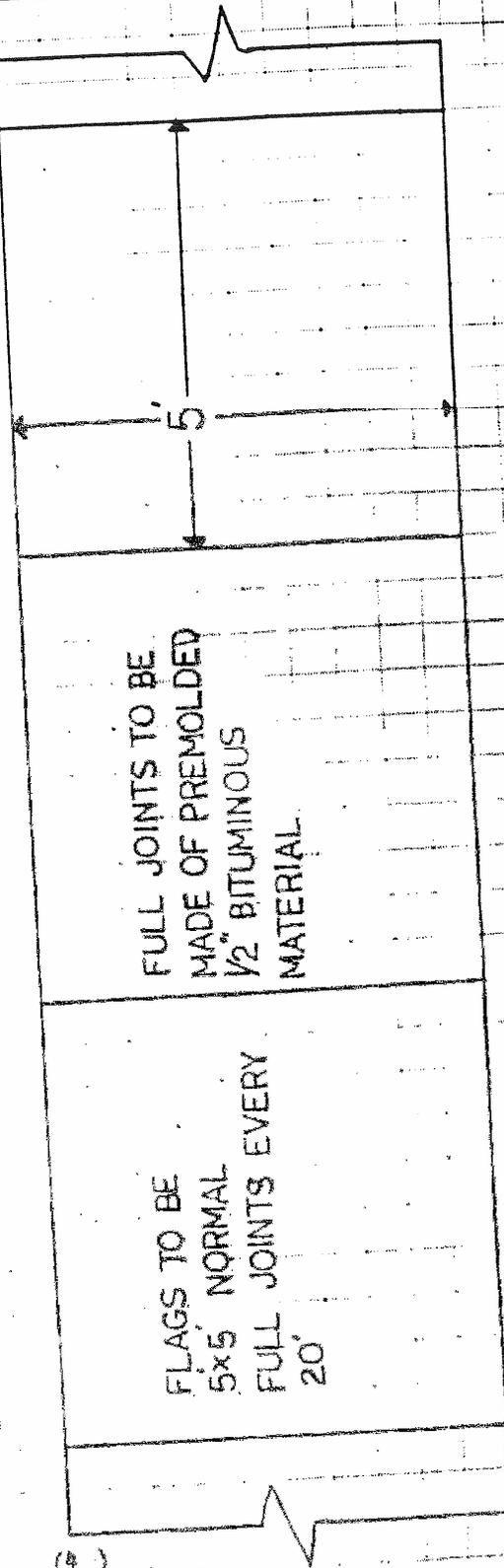
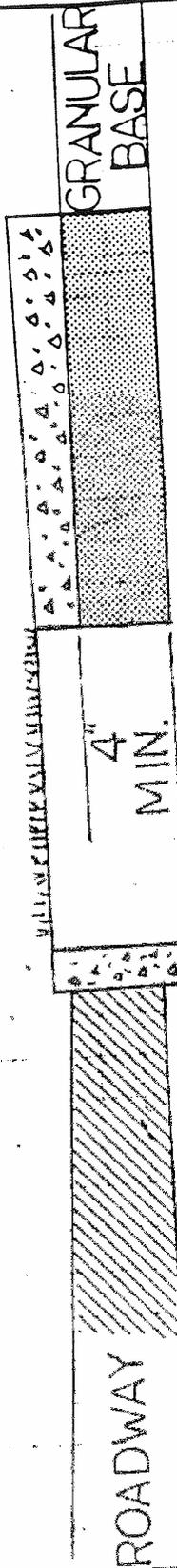
At the permittee’s option, either quilted covers, waterproof blankets or an approved sprayed or painted curing compound may be used. Except when a curing compound approved by the Engineer of the City of Elmira or his representative is used, sidewalks shall be cured for a minimum of three (3) days. In any case, traffic will be prohibited for at least twenty-four (24) hours. All of the above curing methods shall meet NYSDOT Standards Specifications Section on “Portland Cement Concrete Curing.”

CITY OF ELMIRA, NEW YORK
 ENGINEERING DEPARTMENT
 DEPT. OF PUBLIC SERVICES BLDG.
 LINDEN PLACE EXTENSION
 ELMIRA, NEW YORK 14901
 (607) 737-5765

JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY _____ DATE _____
 DRAWN BY RGL DATE 1-1-91
 SCALE AS NOTED

SIDEWALK STANDARD
 (CONCRETE)

ELEVATION VIEW
 N.T.S.
 FLAGS TO BE 4" *
 THICK & SLOPED 1/4"
 PER FOOT UNLESS NOTED



TOP VIEW
 1" = 2'
 * NOTE: SIX (6) INCH THICK WALK TO BE BUILT IN DRIVEWAY ENTRANCES, ETC.

SECTION III – ASPHALTIC CONCRETE SIDEWALKS

MATERIAL:

The material shall conform to NYSDOT Standard Specifications Section on “Hot Mix Asphaltic Concrete.”

METHODS OF CONSTRUCTION:

The asphaltic concrete shall be laid in two courses. One binder course of two (2) inches (compacted) and a top course of one (1) inch (compacted). Both courses shall be laid hot and compacted with a mechanical roller or vibratory tamp.

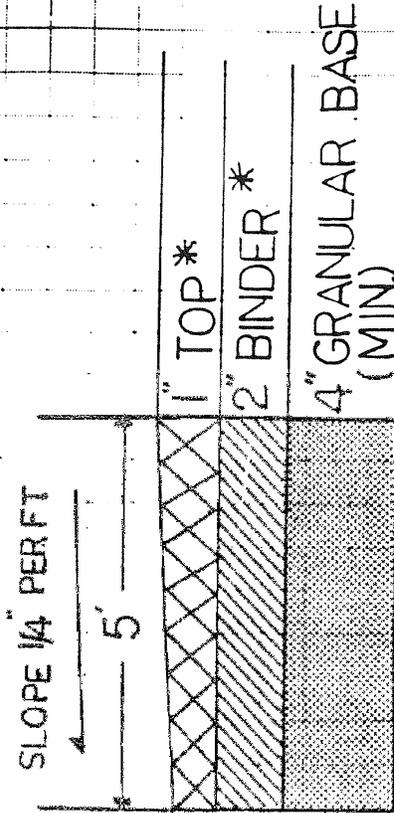
The sidewalk shall be five (5) feet wide and laid true to line and grade as given by the City of Elmira Engineer or his representative, with a normal cross-slope of one-fourth (1/4) inches per foot drop toward the street.

Metal edging is available for sidewalk work, but is not a requirement. If not used, all outside edges must be tapered inwardly to a forty-five (45) degree angle.

CITY OF ELMIRA, NEW YORK
 ENGINEERING DEPARTMENT
 DEPT. OF PUBLIC SERVICES BLDG.
 LINDEN PLACE EXTENSION
 ELMIRA, NEW YORK 14901
 (607) 737-5765

JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY _____ DATE _____
 DRAWN BY RGL DATE 1-1-91
 SCALE N.T.S.

SIDEWALK STANDARD
 (ASPHALTIC CONCRETE)



* NOTE: ASPHALTIC CONCRETE SHALL MEET NYSDOT STANDARD SPECIFICATIONS SECTION ON BITUMINOUS PAVEMENT

(5)

SECTION IV – SAFETY REQUIREMENTS

Safety is the sole responsibility of the permittee. All safety costs will be borne by the permittee.

On any construction that requires the street to be closed, it is the responsibility of the permittee to notify the City of Elmira Police Traffic Bureau. They may require sketches showing how traffic is to be re-routed. **Notification must be forty-eight (48) hours prior to construction.** Bureau may reject plan in which case construction cannot commence.

Safety and security of the area around the excavation will be the sole responsibility of the permittee. Every attempt shall be made to protect the public from hazardous conditions. Flashing lights, wood barricades, steel plates, etc. are examples of such protection. In those cases where unsafe conditions occur, as determined by the City of Elmira Police Department, it may be necessary for personnel from the Public Works Department to correct the unsafe conditions such as adding additional barricades. In these cases, the cost shall be at the permittee's expense.

TRAFFIC PROTECTION:

All requirements will meet O.S.H.A. guidelines as well as M.U.T.C.D. guidelines. (See O.S.H.A. and M.U.T.C.D. Manuals).

EXCAVATION SAFETY:

All requirements will meet O.S.H.A. guidelines and M.U.T.C.D. guidelines, as well as the current NYSDOT Standards and Specifications for construction and materials. (See O.S.H.A., M.U.T.C.D., and NYSDOT Manuals).

PERSONAL SAFETY:

All requirements will meet O.S.H.A. guidelines. (See O.S.H.A. Manual).

Note: At no time will any employee of the City of Elmira enter an excavation that does not meet O.S.H.A. Standards. This may affect proper inspection.

SECTION V – INSURANCE REQUIREMENTS

The City of Elmira requires the following insurance amounts and types for all permittees completing work in Elmira:

- a) **Workers' Compensation Insurance and Disability Benefits Insurance** shall be obtained in accordance with the law of the State of New York.
- b) **Public Liability and Property Damage Insurance**
 - 1) **Public Liability Insurance**: Not less than one million (\$1,000,000) for injuries including accidental death to any one person, and subject to the same limit for each person, and in an amount not less than two million (\$2,000,000) on account of one occurrence.
 - 2) **Property Damage Insurance**: Not less than two-hundred fifty thousand (\$250,000) for damages on account of any one accident and in an amount not less than \$250,000 for damages on account of all accidents.
- c) **Owner's Protective Liability and Property Damage Insurance** in amounts equal to that specified for public liability and property damage insurance to protect the City against any and all claims arising from the operations of the permittee. Owner's Protective Liability Insurance policies should contain the following provisions:
 - 1) The presence of the City's agents and employees on the site of the work shall not invalidate the policy of insurance.
 - 2) The policy shall not be invalidated by reason of any violation of any of the terms of any policy issued to the permittee.
- d) All policies of insurance required of the permittee, except Workers' Compensation and Disability Benefits, insuring, indemnifying and saving harmless the City of Elmira, shall be endorsed **naming the City of Elmira and its officers and employees and agents, as an ADDITIONAL INSURED ON A PRIMARY BASIS.**
- e) **Proof of Coverage of Insurance**: The permittee shall furnish the City certificates of all insurance, each of which shall contain the following provision: Such insurance shall not be cancelled, terminated, modified, or changed by either the permittee or the insurance company, except on ten (10) days prior written notice sent by the insurance company via registered mail to the City. Such notices shall be addressed to the City of Elmira, New York.

SECTION VI – ABBREVIATIONS

A.D.B.E.	--	As Determined By Engineer
A.S.T.M.	--	American Standards for Testing Materials
DEG.	--	Degree
DIA.	--	Diameter
F.	--	Fahrenheit
Ft.	--	Feet
H.	--	Height of Fill over top of pipe
H.D.	--	Hub Diameter, outside diameter of pipe at bell/band
I.D.	--	Nominal Inside Diameter
In.	--	Inches
Max.	--	Maximum
Min.	--	Minimum
M.U.T.C.D.	--	Manual on Uniform Traffic Control Devices
N.T.S.	--	Not to Scale
NYSDOT	--	New York State Department of Transportation
O.D.	--	Outside Diameter
O.S.H.A.	--	Occupational Safety & Health Administration
R.O.W.	--	Right-of-Way
U.F.P.O.	--	Underground Facilities Protective Organization
W=Trench Width	--	2.0 ft. + H.D. for pipes 48" and less I.D. 2.5 ft. + H.D. for pipes greater than 48" I.D. 1.0 ft. Min. + O.D. for 18" & 24" polyethylene pipe
>	--	Greater Than
<	--	Less Than

SECTION VII – BIBLIOGRAPHY

Manual of Uniform Traffic Control Devices as adopted by NYSDOT from Codes, Rules and Regulations of the State of New York; Manual No. 3309.

Manual of Uniform Traffic Control Devices for Streets and Highways, Washington, D.C: Technical Data Center, Document ASA D6.1-1961, Part V, 1961.

Occupational Safety Health Administration Code of Federal Regulations, Labor 29, Part 1926 Revised as of July 1, 1990, Sub-part P-Excavation 1926.650: U.S. Government Printing Office, Washington, D.C., 1990.

Standard Specifications Construction and Materials – Office of Engineering, NYSDOT, January 2, 1990.

**CODE OF ORDINANCES
CHAPTER 22 – ARTICLE IV**

Section 1. That Chapter 22, Article IV, Section 22-72 of the Code of Ordinances of the City of Elmira, as amended, is hereby amended to read as follows:

****Section 22-72. Required Fees.***

- (a) No sidewalk or curb within a public street or other public space shall be altered without a permit issued by the City Engineering Department. There shall be no fees for such permits for new one- or two-family construction. For all other cases, the fees for such permits are:
- (1) For sidewalks twenty (20) feet long and under, there shall be no fee;
 - (2) For sidewalks greater than twenty (20) feet long and less than one hundred (100) feet long, the fee shall be twenty-five dollars (\$25);
 - (3) For sidewalks of one hundred (100) feet and greater in length, the fee shall be thirty-five dollars (\$35);
 - (4) For curb cuts involving a granite or stone curb, the fee shall be five dollars (\$5) per foot;
 - (5) For curb cuts involving a concrete curb, the fee shall be three dollars (\$3) per foot; and
 - (6) For curb cuts involving a blacktop or macadam curb, the fee shall be one dollar (\$1) per foot.

Section 2. All ordinances and parts of ordinances heretofore passed which are in conflict or are inconsistent with any provision or provisions of this ordinance are hereby repealed.

Section 3. Effective Date: This ordinance shall take effect immediately upon adoption and publication according to law.

***Section 22-72 (a) Required Fees Amended Ordinance No. 2007-081 Adopted by City Council on February 5, 2007**