

ORDINANCE 2004-8

AN ORDINANCE OF THE BOROUGH OF DILLSBURG, YORK COUNTY, PENNSYLVANIA, AMENDING ARTICLE X OF ORDINANCE 144, THE CONSOLIDATED ORDINANCE OF THE BOROUGH OF DILLSBURG, AND ESTABLISHING PROCEDURES AND SPECIFICATIONS FOR THE CONSTRUCTION, REPAIR, OR REPLACEMENT OF SIDEWALKS.

WHEREAS, the purpose of this Ordinance is to amend certain sections of Ordinance 144, the Consolidated Ordinance of the Borough of Dillsburg, and to establish procedures and specifications for the construction, repair or replacement of sidewalks.

BE IT ENACTED AND ORDAINED by the Council of the Borough of Dillsburg, York County, Pennsylvania, and it is hereby enacted by the authority of the same, that Article X shall be amended as follows:

SECTION 1020-5: Section 1020-5 is amended to read as follows: Sidewalks shall be constructed on each side of any new street between the curbing and the right-of-way line. The location and width of sidewalks shall be as determined by the Borough Engineer and listed in the Curb and Sidewalk Construction Specifications.

SECTION 1030: Sections 1030, 1030-1, 1030-2, 1030-3 and 1030-4 are renumbered as Sections 1030-1, 1030-2, 1030-3, 1030-4 and 1030-5 respectively.

SECTION 1030-1: Newly numbered Section 1030-1, formerly Section 1030, is amended to read as follows: SECTION 1030-1 Whenever Council shall determine it to be necessary for the public safety or general welfare of the Borough that the sidewalks or curbing should be constructed, raised, lowered, repaired or replaced, Council shall notify the property owner on which a sidewalk or curb shall abut to construct, raise, lower, repair or replace such sidewalk or curb within a reasonable time specified in such notice in accordance with the grades and specifications determined by the Borough Engineer and listed in the Curb and Sidewalk Construction Specifications.

SECTION 1030-1: This Section is now renumbered and is referred to as Section 1030-2.

SECTION 1030-2: Newly numbered Section 1030-2, formerly Section 1030-1, is amended to read as follows: SECTION 1030-2 Any property owner so notified, or any other person intending to construct, raise, lower, repair or replace any sidewalk or curb shall apply to the Borough for a Building Permit. Such Building Permit shall be secured prior to any construction. All sidewalks, curbs and gutters shall be constructed or

reconstructed in accordance with grades and specifications developed by the Borough Engineer and listed in the Curb and Sidewalk Construction Specifications.

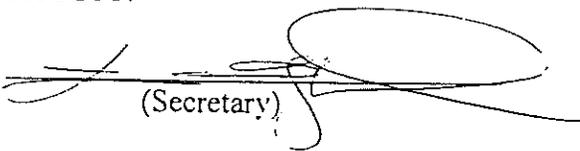
SECTION 1030-3: Newly numbered Section 1030-4, formerly Section 1030-3, is amended to read as follows: SECTION 1030-4 Whenever any person shall neglect or refuse to comply with the provisions of this Ordinance, Council shall, after the time specified in the notice, cause to construct or reconstruct the sidewalk or curb at the expense of the property owner upon which such sidewalk or curb shall abut. Any expenditure made by the Borough in such construction or reconstruction shall be collected from the property owner aforesaid, together with an administrative cost of ten (10%) percent of such cost, by an action at law or as other municipal assessments or liens may, by law, be collected and/or by such other relief as deemed appropriate.

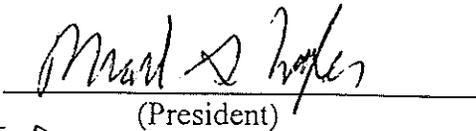
SECTION 1030-4: Newly numbered Section 1030-5, formerly Section 1030-4, is amended to read as follows: SECTION 1030-4 Any person violating the provisions of this Ordinance shall, upon conviction thereof before any District Justice of the Borough or other Court having jurisdiction over same, shall be sentenced to pay a fine of not more than five hundred (\$500.00) dollars and costs of prosecution for each offense. Each day that a violation continues shall be deemed a separate offense.

THIS ORDINANCE shall become effective at the earliest date allowed by law.

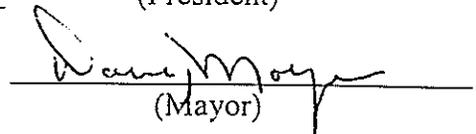
DULY ENACTED AND ORDAINED this 9th day of November, 2004

ATTEST:


(Secretary)


(President)

Approved This 9th Day of November, 2004


(Mayor)

DILLSBURG BOROUGH COUNCIL

DILLSBURG BOROUGH, YORK COUNTY, PENNSYLVANIA

CURB AND SIDEWALK CONSTRUCTION SPECIFICATIONS

August 2004

Prepared by:

**KPI Technology
143 Carlisle Street
Gettysburg, PA 17325
(717) 339 - 0612**

DILLSBURG BOROUGH, YORK COUNTY, PA
CURB AND SIDEWALK CONSTRUCTION SPECIFICATIONS

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SPECIFICATIONS FOR CURB CONSTRUCTION

I. Description

Curbs to be provided pursuant to the provisions of the Dillsburg Borough Subdivision and Land Development and Sidewalk and Curb Ordinances shall be in accordance with these specifications and within the lines, grades, and dimensions shown on the approved plans. Curbing shall conform to the details shown in these specifications.

II. General Provisions

All materials and construction requirements shall be governed by and subject to these specifications and to those referenced specifications of the Pennsylvania Department of Transportation's Specification Form 408 as most recently amended.

III. Materials

A. Cement Concrete

1. All curbs shall be constructed of PennDOT Class A Cement Concrete. For slip forming, concrete shall be designed with a maximum slump of one and one-half (1") inches.

B. Expansion Joint Filler

1. Expansion joint filler shall include premolded fillers of cork, cork and rubber, or fiber types, meeting the requirements of PennDOT Publication 408. Molded expansion joint filler shall be 1/4 of an inch in thickness.

IV. Construction Requirements

A. Preparation of Foundation

1. Excavation shall be made to the required depth, including where indicated, removal of existing curb, pavement and sidewalk to neat lines. The material upon which the curb is to be constructed shall then be compacted to a firm, even surface.

B. Forms

1. Forms shall be of metal, except that wood forms may be used on sharp curves and short tangent sections when approved by the engineer.
2. Forms shall be straight, free from warp, and of sufficient strength when staked to resist the pressure of the concrete without springing.

3. Metal Forms shall be of the approved section; or if wood, they shall be nominal two (2) inch planks, finished on the inside and the top.
4. Forms shall be of a depth equal to the depth of the curb, designed to permit secure fastening of the face and back forms at the tops.
5. All forms and templates shall be thoroughly cleaned and treated with an approved materials, to prevent the concrete from adhering thereto.
6. Forms shall not discolor the concrete.

C. Depressed Curb / Driveways

1. Where a driveway enters a street, the curb shall be made lower for the width of the opening.
2. The height of a depressed curb at its face should not be more than two (2) inches. The height of the back shall be one (1) inch more than at the face.
3. Between a depressed curb and the adjacent curb of regular height, there shall be a sloping section as required to taper curb to existing or proposed gradeline. The length of the tapered section shall be 18" to 24".
4. Where curbing is to be removed to construct a driveway or access drive, the length of the curbing to be removed shall be carried to the nearest expansion joint or saw cut if the joint is located more than 5 feet from the end of the curb removal. Curb replacement shall be shaped and formed to the required driveway width.

D. Placing and Finishing Concrete

1. Concrete shall be placed in the forms in horizontal layers not to exceed five (5) inches, and spaded sufficiently to eliminate all voids. Place bars as indicated for depressed curb at drives.
2. The top surface of the curb shall be finished true to line and grade in a smooth, neat, and even manner, and the edges of the face and back shall be rounded to a radius of 3/4 of an inch and 1/4 of an inch, respectively, while the concrete is still plastic (prior to final setting of the concrete).

E. Joints

1. Contraction joints shall be spaced in uniform lengths of sections twenty feet (20') maximum, except where shorter sections are necessary for closures or curves, but no section shall be less than four (4) feet.

2. Contraction joints may be either hand-formed or sawed and shall be 3/16 inches wide and two (2) inches deep.
3. Premolded expansion joint material (3/4 inch) shall be cut to conform to the cross sectional area and be placed at structures and at the end of a days work.
4. If an existing utility pole is on a curb line, a construction joint shall be provided around pole.

F. Removal of Forms

1. The forms shall not be removed until such time that it will not be detrimental to the concrete.
2. Any irregular surface shall be corrected by rubbing with a carborundum stone; however, no rubbing will be permitted until the full curing period has elapsed.
3. After removal of the forms, minor honeycombed areas shall be filled with mortar composed of one (1) part cement and two (2) parts fine aggregate.
4. Major honeycombed area will be considered as defective work, and shall be removed and replaced.

G. Curb Machine

1. Concrete may be placed with an acceptable self-propelled machine.
2. Concrete shall be uniformly fed to the machine; after extrusion, the firmly compacted, high-density curb shall stand complete, strong and ready for curing.
3. The finished curb shall have a surface free from voids and honeycombed areas. Any minor surface finishing required shall be performed immediately after extrusion.

H. Curing

1. The curb shall be cured and protected as specified in PennDOT Publication 408, with either membrane or water curing.

I. Backfilling

1. As soon as possible, but no longer than 48 hours following the removal of forms, the spaces in front and back of the curb shall be backfilled with approved material in layers of not more than four (4) inches in depth, which shall be thoroughly compacted to the required elevation and cross section.

2. The layers shall be placed by alternating between the front and back of the curb.

J. Inspection

1. Curbs shall be inspected by the Borough at a minimum after forms have been placed, prior to pouring of concrete and after completion of all work.

K. Curb Ramps

1. Curb ramps shall be provided at street intersections. Curbing in ramp area shall be per PennDOT Publication 408 and RC Standards, and shall be in accordance with the Americans with Disabilities Act (ADA).

SPECIFICATIONS FOR SIDEWALK CONSTRUCTION

I. Description

Sidewalks to be provided pursuant to the provisions of the Dillsburg Borough Subdivision and Land Development and Sidewalk and Curb Ordinances shall be in accordance with these specifications and within the lines, grades, and dimensions shown on the approved plans.

II. General Provisions

All materials and construction requirements shall be governed by and subject to these specifications and to those referenced specifications of the Pennsylvania Department of Transportation's Specification Form 408 as most recently amended.

III. Materials

A. Cement Concrete

1. All sidewalks shall be constructed of PennDOT Class A Cement Concrete.

B. Aggregate

1. Aggregate shall be stone, gravel, or slag meeting the requirements for PennDOT Type C, or better, No. 2B material.

C. Expansion Joint Filler

1. Expansion joint filler shall include remolded fillers of cork, cork and rubber, of fiber, types meeting the requirements of Section PennDOT. Remolded expansion joint filler shall be 1/4 of an inch in thickness.

IV. Construction Requirements

A. Preparation of Foundation

1. The foundation for the bed shall be formed at a depth of ten (10) inches below and parallel with the finished surface of the sidewalk. This depth shall be twelve (12) inches at driveways.
2. Unsuitable material shall be removed and replaced with approved material.
3. The foundation shall be thoroughly compacted and finished to a firm, even surface.

B. Placing of Aggregate for Bed

1. The approved aggregate shall be spread on the prepared foundation to form a compacted bed six (6) inches in depth.

C. Forms

1. Forms shall be of wood or metal, straight, free from warp, and of sufficient strength when staked to resist the pressure of the concrete without springing.
2. If wood is used for forms, they shall be nominal 2-inch planks finished on the inside and the top; or if metal, they shall be of approved section.
3. Forms shall have a depth equal to the depth of the concrete, and shall be thoroughly cleaned and treated with an approved material, to prevent the concrete from adhering thereto.

D. Joints

1. Transverse Dummy joints shall be spaced in uniform lengths of not more than five (5) feet and shall be 1/8 inches wide and one (1) inch deep and may be either hand-formed or sawed joints.
2. One - half inch premolded expansion joint material shall be cut to conform to the cross sectional area and be placed at structures and at uniform intervals of not more than twenty (20) feet.
3. Where an existing utility pole, valve box, or hydrant is within the sidewalk area, a 18 inch x 18 inch square expansion joint shall be provided around structure.
4. Sidewalks to be sloped towards the street at a uniform slope of 1/4 inch per foot.

E. Placing Concrete

1. Concrete shall be four (4) inches in depth unless otherwise specified, and spaded sufficiently to eliminate all voids. Concrete thickness at all driveways shall be six (6) inches in depth. Welded wire fabric or approved equal shall be installed in sidewalk and driveway construction.
2. An edger having a 1/4 inch radius shall be used for edging.

F. Removal of Forms

1. Side forms shall not be removed within twelve (12) hours after the concrete has been placed.

2. After removal of the forms, minor honeycombed areas shall be filled with mortar composed of one (1) part cement and two (2) parts fine aggregate.
3. Major honeycombed areas will be considered as defective work, and shall be removed and replaced.

G. Curing

1. The sidewalk shall be cured and protected as specified in PennDOT Publication 408, with either membrane or water curing.

H. Backfilling

1. After the concrete has cured for not less than seventy-two (72) hours, the spaces adjacent to the sidewalk shall be backfilled with approved material in layers of not more than four (4) inches in depth, which shall be thoroughly compacted to the required elevation and cross section in accordance with approved plans.

I. Curb Ramps

1. Curb ramps shall be provided at street intersections. Sidewalks in ramp area shall be per PennDOT Publication 408 and RC Standards, and shall be in accordance with the requirements of the Americans with Disabilities Act (ADA).

J. Channel Drains

1. Where it is desirable to convey stormwater from roof or other area to the gutter-line of the roadway an approved channel drain shall be used.
2. In no instance shall stormwater piping be placed under sidewalks or through a curb section.
3. Channel drains may be formed in place as shown or prefabricated. Installation of prefabricated channel drains shall be in accordance with manufacturers recommendations.
4. The property owner is responsible for insuring that the channel drain has adequate capacity to convey flow.

K. Inspection

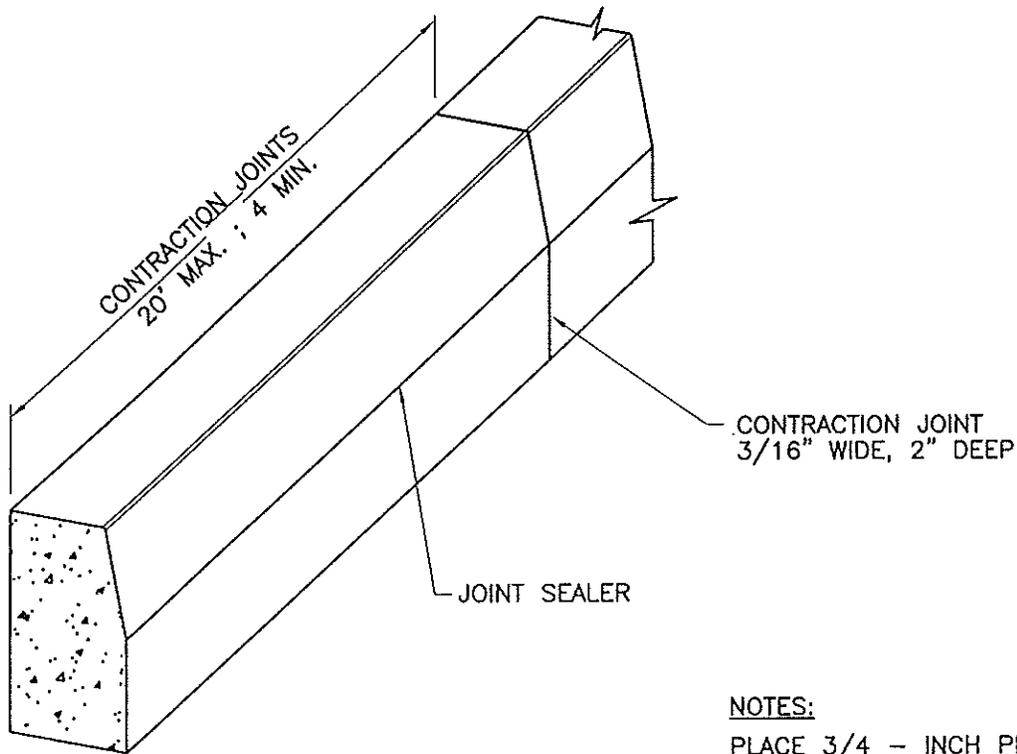
1. Sidewalks shall be inspected by the Borough at a minimum after forms have been placed, just prior to pouring concrete, and after completion of all work.

BOROUGH OF DILLSBURG
VERTICAL CURB DETAIL

KPI TECHNOLOGY
GETTYSBURG, PA

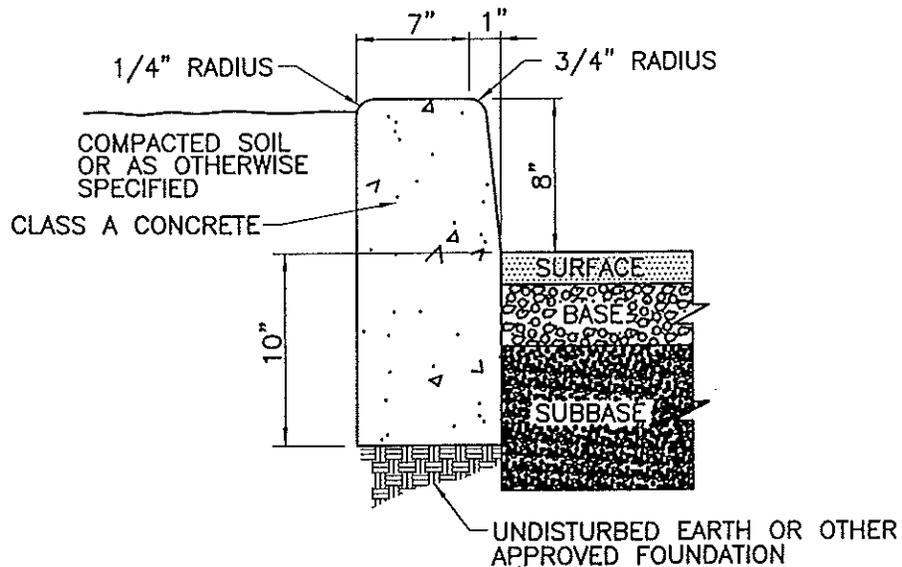
SCALE: NOT TO SCALE

DATE: 6/4/04



NOTES:

PLACE 3/4 - INCH PRE-MOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO CROSS SECTIONAL AREA OF CURB.

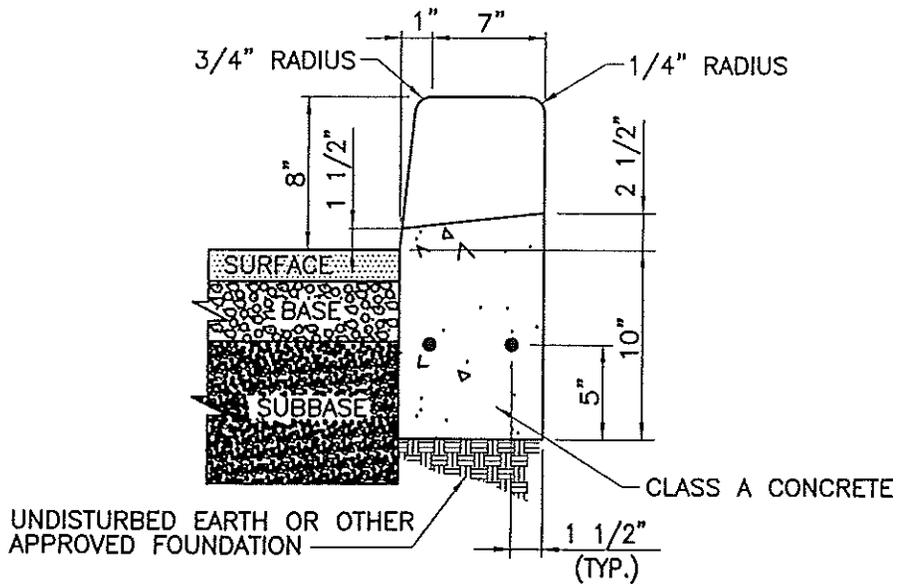
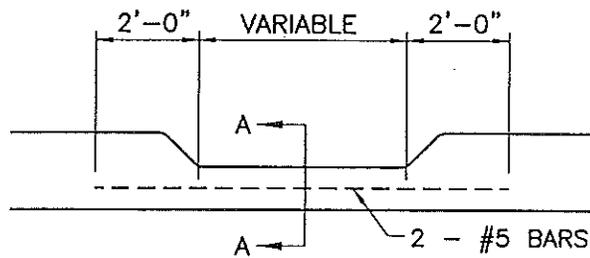


BOROUGH OF DILLSBURG
DEPRESSED CURB DETAIL

KPI TECHNOLOGY
GETTYSBURG, PA

SCALE: NOT TO SCALE

DATE: 6/4/04



SECTION A-A

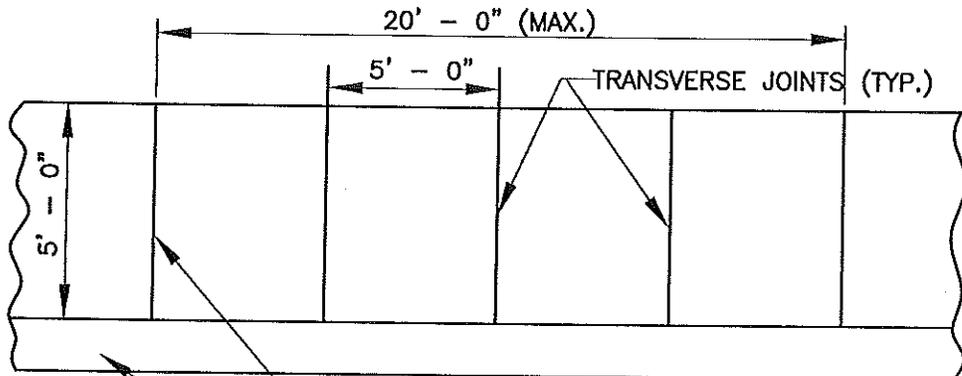
NOTE: DEPRESSED CURB TO BE USED AT DRIVEWAYS

BOROUGH OF DILLSBURG
CURB AND SIDEWALK
JOINT DETAILS

KPI TECHNOLOGY
GETTYSBURG, PA

SCALE: NOT TO SCALE

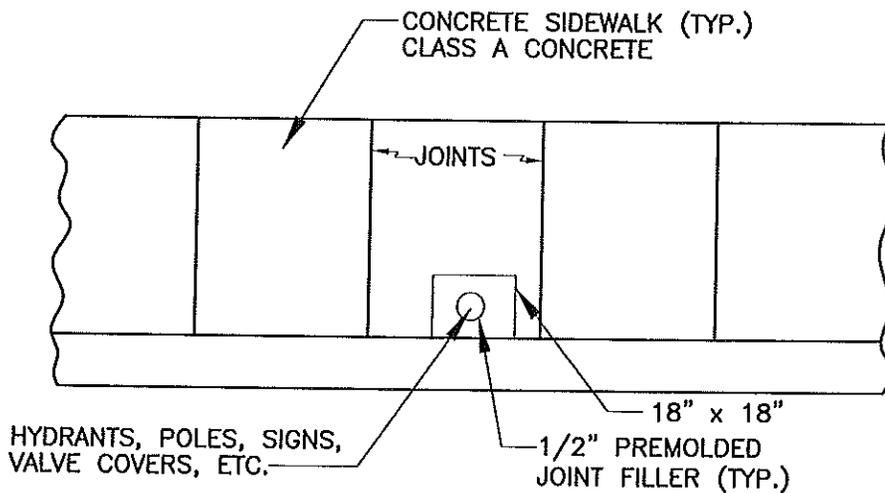
DATE: 6/4/04 (revised 7/12/06)



PREMOLDED EXPANSION JOINT MATERIAL

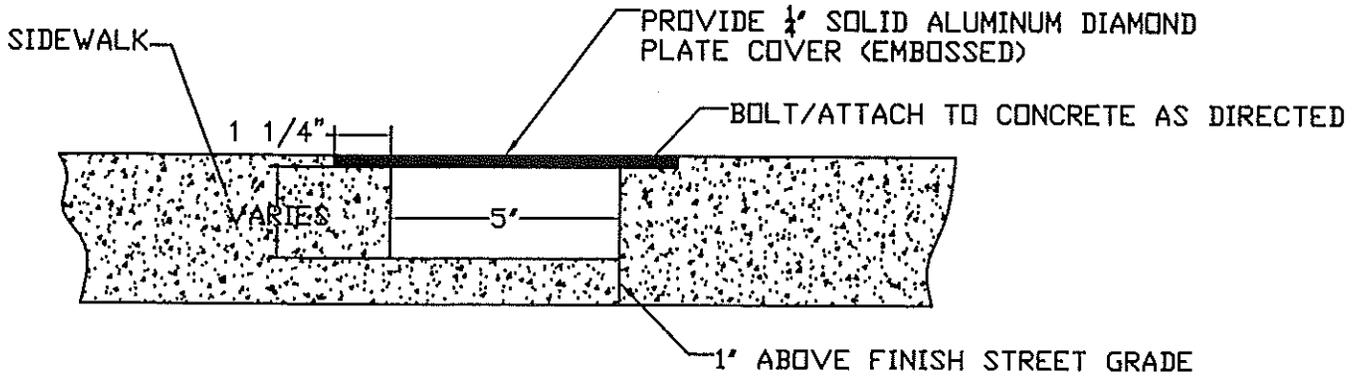
CURB (A GRASS STRIP MAY BE PROVIDED BETWEEN CURB AND SIDEWALK WHERE APPROVED BY THE BOROUGH)

PLAN VIEW - CONC. SIDEWALK



PLAN VIEW

UTILITY PROTRUSION IN SIDEWALK



SECTION VIEW
SCALE: N.T.S.

NOTES:

1. DIVERT ROOF DRAIN DOWNSPOUT INTO CHANNEL
2. CHANNEL TO SLOPE MINIMUM 1-2% TOWARD CURB.
3. DRAIN CHANNEL TO BE FORMED IN PLACE OR PRECAST. PRECAST UNITS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. PRECAST UNITS TO BE POLYDRAIN AS MANUFACTURED BY ABT, INC. OR APPROVED EQUAL. (WITH POLY CHAMPION FINISH AND SOLID GALVANIZED EMBOSSED COVER, LOAD CLASS A.
5. LENGTH SHALL BE AS REQUIRED

KPI Technology

DILLSBURG BOROUGH

Civil <> Environmental Engineering - Planning - Consulting

SIDEWALK CONSTRUCTION SPECIFICATIONS

143 Calise Street
Gettysburg, PA 17325
Phone: 717-339-0612
Fax: 717-339-0717

One East Harrisburg Street
Dillsburg, PA 17019
Phone: 717-502-0884
Fax: 717-502-0945

CHANNEL DRAIN DETAIL

DRAWN BY: M.R.B.

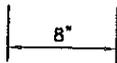
DESIGN BY: M.R.B.

CHECKED BY: T.R.K.

SCALE: AS SHOWN

DATE: August 2004

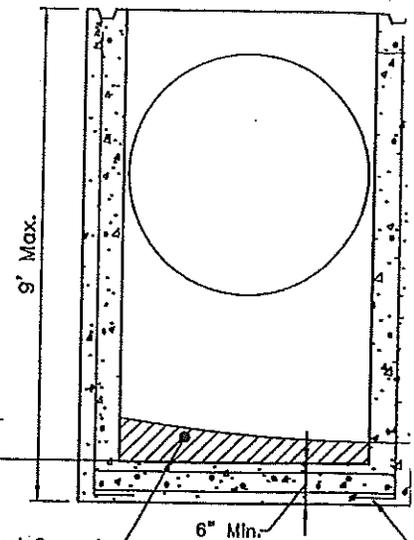
SHEET: 1 OF 1



w/ Exp. Jt. @ 20'

PLAIN CEMENT CONCRETE CURB W/ SIDEWALK

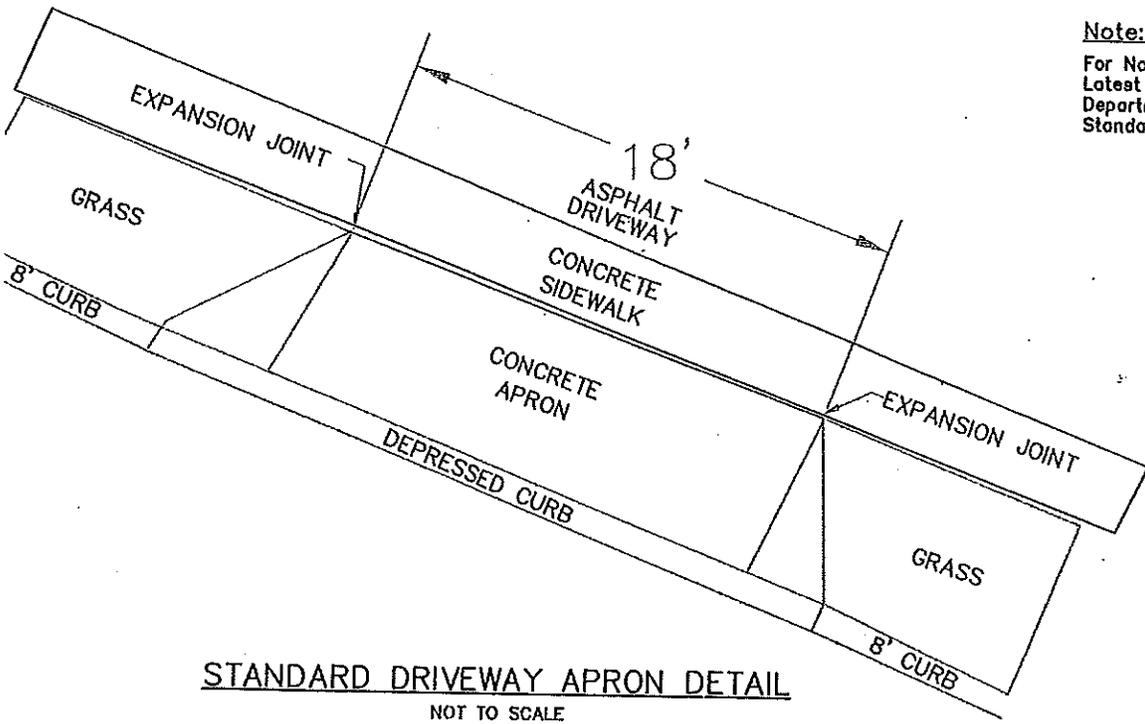
NOT TO SCALE



Section A-A

Note:

For Notes And Additional Information Reference The Latest Records Of Commonwealth Of Pennsylvania Department Of Transportation Bureau Of Design, Standards For Roadway Construction.

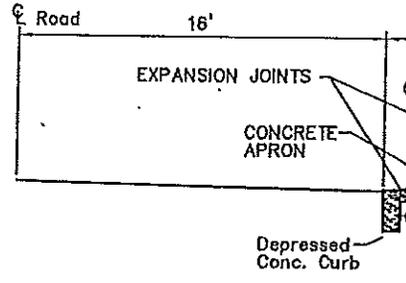


STANDARD DRIVEWAY APRON DETAIL

NOT TO SCALE

STANDARD INLET

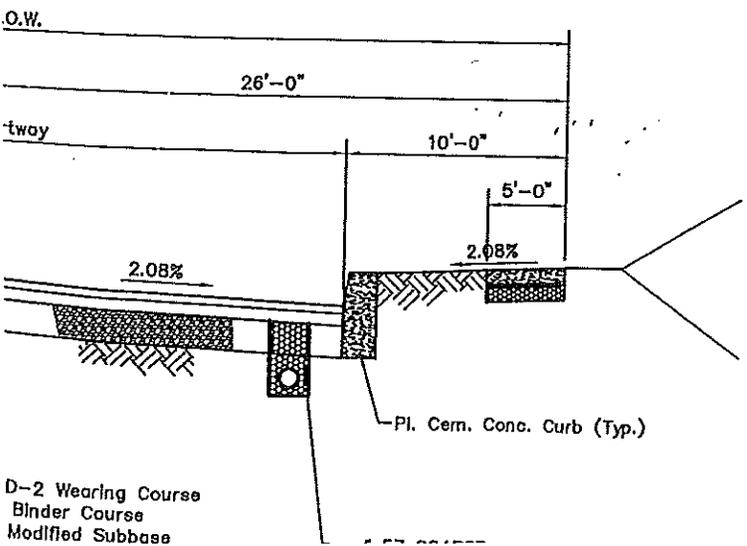
NOT TO SCALE



DRIVEWAY (

NOT

DETAIL



5/31/2004	REVISED PER BOROUGH & TWP
5/4/2004	REVISED PER BOROUGH & TWP
DATE:	REVISIONS

**FINAL SUBDIVISION
CHESTNUT H
PHASE 1
R2 DEVELOPMENT**

DILLSBURG BOROUGH & CARROLL TOWNSHIP