



West Lebanon Township  
 322 North 22<sup>nd</sup> Street, Lebanon, PA. 17046  
 Phone # (717) 274-1598 Fax: (717) 274-5119

*Application to Install  
 Curbing / Sidewalk / Driveway*

**Property Owner Information:**

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 Phone # \_\_\_\_\_ Sidewalk/curb Footage \_\_\_\_\_ Driveway Dimensions \_\_\_\_\_

<i>Official use only</i>	
Date Application Files _____	
Date Permit Expires _____	(90 days)
Permit # _____	Amount Paid \$ _____

Location of work \_\_\_\_\_

I hereby apply for a permit to install curbing and/or sidewalk and/or driveway in West Lebanon Township. **If a permit is granted,** I agree to comply with all existing ordinances and curbing and/or sidewalk and/or driveway installation regulations of West Lebanon Township. I certify that I have read Ordinance # 256 Part 2 Sections 52 thru 57, and Ordinance # 356. These ordinances regulate the installation and construction of curbing and/or sidewalk and/ or driveways.

**Contractor Information:**

Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
 (If a firm, also list the responsible person's name.)  
 Address \_\_\_\_\_

Have you started the work yet: Yes \_\_\_\_\_ No \_\_\_\_\_

Home Improvement Consumer Protection Act Reg # \_\_\_\_\_

Liability & Workman's Comp. Insurance \_\_\_\_\_ Insurance Bond \_\_\_\_\_

PA ONE-CALL 1-800-242-1776 or 811 PA ONE-CALL Verification# \_\_\_\_\_

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

Fees: Permit Fee \$25.00 Administrative Fee \$25.00 Inspection Fee \$100.00 **Total \$150.00**

**All forms must be approved and inspected by the Township before curb is poured. Call 717-274-1598**  
 Township Specification are attached and must be adhered to.

Pre-Inspection;	Approved / Rejected	(No Charge)	DATE _____	INT _____
Other Inspection;	Approved / Rejected	(\$100.00 each)	DATE _____	INT _____
Final Inspection;	Approved / Rejected		DATE _____	INT _____

Inspection Narrative: \_\_\_\_\_  
 \_\_\_\_\_

Signature of Township Clerk or Maintenance Supervisor \_\_\_\_\_

**Return permit to the office when job is complete.**

*Revised: February 2023*



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## Curb and Sidewalk Specifications

### CRITERIA FOR REPAIRING SIDEWALK, CURBING AND DRIVEWAY APRONS

The objective for the repair of sidewalks, curb and gutter and driveway aprons are as follows; pedestrian safety, proper drainage, coordination with West Lebanon Township Street projects, and maintain property values.

The following three sections indicate the checklist of the determination of the placement for sidewalks, curb and gutter and driveway aprons:

#### Sidewalks:

1. Any block having a crack or cracks. Generally, if more than one crack, block to be replaced, if single cracks is  $\frac{1}{4}$  inch or more in width, block to be replaced.
2. Adjoining blocks or portions thereof whose edges differ vertically by more than  $\frac{1}{2}$  of an inch or create a tripping hazard.
3. Blocks that have holes in them one (1) inch or more in diameter or are cracked or broken in such a manner that pieces of concrete are missing or loose.
4. Blocks having depressions, reverse cross slope (sloping away from the street), or below the back of the curb grade causing the impoundment of mud or water.
5. Sidewalk that has a twenty-five (25) percent or larger area that is generally deteriorated as evident by spalling, raveling, or irregular surfaces.
6. Blocks that cause an abrupt change in the slope of the sidewalk.
7. Sidewalks that have settled due to utility installation.

#### Curb and Gutter:

1. Any section that has horizontal cracks or cracks causing spalling or breaking away of the curb section.
2. Any section having vertical cracks. Guidelines are as follows;
  - a. If vertical crack in center of ten-foot ( $\pm 1/2''$ ), crack shall be saw cut and grouted.
  - b. If vertical crack located in ten-foot section outside of the above tolerance in 2(a), half of the section shall be removed and replaced.
3. Adjoining sections or portions whose edges differ vertically by more than one-half ( $1/2$ ) inch.
4. Any section in which the concrete has deteriorated leaving aggregate exposed.
5. Sections where the gutter impounds water.
6. Any section having material (asphalt, concrete, mortar, etc.) added to the gutter so as to impeded normal flow.
7. Sections that cause an abrupt change in slope.

#### Driveway Aprons:

1. Driveway aprons sections that have multiple cracks or a single crack with a width of  $\frac{1}{4}$  inch or more in width.
2. Driveway apron sections that differ vertically by one-half ( $1/2$ ) inch or more above or below the sidewalk.

3. Driveway apron sections that are cracked or broken in such a manner that pieces of concrete are missing or loose or will cause a situation where pieces can become missing or loose.
4. Driveway apron sections that are dipped across the sidewalk in such a manner that creates an abrupt change of grade in the sidewalk.
5. Abandoned driveway aprons shall be removed and curbing repaired

### **Concrete Curbing Construction Specifications.**

#### Type

Curbing shall be plain cement concrete vertical curb having a height of eighteen inches (18") and tapering from a top width of seven inches (7") to a base width of eight inches (8") and conforming to the requirements of Section 630 of Penn DOT form 408 and RC-64 of the Penn DOT Standards for Roadway Construction. A minimum six-inch (6") exposed curb face shall be used on all Township Roads. Curb levels that vary from this minimum requirement will be subject to approval by the Township Representative or West Lebanon Township.

#### Subgrade and Base Course

The Subgrade shall be substantially dry, unfrozen, firmly compacted soil. Thorough compaction shall be attained by using an approved pneumatic compactor or self-contained compactor, capable of delivering a minimum of 800 to 1,000 points at the shoe. If soft or unsuitable material is encountered, it shall be removed to a depth as directed by the Township Representative and backfilled with acceptable material

The base course shall be a minimum of four (4) inches thick of AASHTO No. 57 Stone and shall be placed and thoroughly compacted using the above-mentioned compactors.

#### Forms

Forms shall be made of steel or an approved substantial material, and shall be smooth, free of warp and sufficiently rigid and supposed to prevent misalignment. The forms shall be of a depth equal to that of the proposed curb. Curb forms shall be held securely in place by stakes or braces, in such a manner to hold the top of the form edges to true line and grade. Forms shall and must be placed on all repair work abutting the existing street pavement. The existing street pavement must be removed to allow the forms to be installed.

Prior to pouring the concrete, all forms and templates shall be thoroughly cleaned and treated with an approved material to prevent the concrete from adhering thereto. Material that will adhere to or discolor the concrete shall not be used.

#### Concrete

Concrete shall meet the requirements of Penn DOT Form 408, 1994 Specifications, latest revision, Section 704 for Class A Cement Concrete, 4000-psi mix. No Concrete shall be mixed or placed when the air temperature is below 30° F, blanket must be used after forms are removed if below freezing

#### Placing

Curbs shall be carefully poured monolithically without segregation of constituents, tamped and screeded true to grade and section, eliminating all voids. Sufficient mortar shall be brought to the surface for finishing in a smooth, neat, and even manner using approved tools.

#### Joints

Each curb section shall be constructed in lengths, saw control every ten feet (10') where practical. In no case shall a section be less than five feet (5') long. Each section shall be separated when pouring by a 1/8-inch steel template equal to the full depth of the curb.

Expansion joints of approved ¼ inch premolded bituminous material shall be placed for the full curb depth at all points adjoining sidewalk and existing curb, at point of tangency of street returns and intersecting curbs.

#### Finishing

Forms may be removed no earlier than two (2) hours after placement of the concrete. Minor defects and honeycombing shall be corrected by patching with mortar; no plastering will be permitted. All exposed concrete shall be rubbed to a smooth surface and edges at joints finished with a suitable tool.

#### Handicap Accessibility Requirements

Handicap accessible ramps shall be constructed at all intersections in accordance with the requirements of the Americans with Disabilities Act (ADA).

#### Curb Machines

Construction of concrete curb through the use of a curb machine shall be permitted only with the approval of the Township Representative and contingent upon any conditions required by the Township Representative.

#### Inspection

No concrete shall be placed until the subgrade and forms have been visually inspected by the Township Representative! All inspections require a minimum 24-hour notice. Any concrete placed prior to inspection will be rejected and removed.

**NOTE: If the work fails inspection, the contractor/property owner will be charged for re-inspections in accordance with the current fee schedule.**

### **Concrete Sidewalk Construction Specifications:**

#### Subgrade

The subgrade shall be substantially dry, unfrozen, firmly compacted soil. Thorough compaction shall be attained by using an approved pneumatic compactor or self-contained compactor, capable of delivering a minimum of 800 to 1,000 pounds at the shoe. If soft or unsuitable materials is encountered, it shall be removed to a depth as directed by the Township Representative and backfilled with acceptable material.

#### Base

A stone bed shall be placed and thoroughly compacted to a depth of four inches (4”) minimum using the above-mentioned compactors. The base course shall be AASHTO No. 57 Stone.

#### Forms

Forms shall be made of steel or an approved substantial material, and shall be smooth, free of warp and sufficiently ridge and supported to resist misalignment. The forms shall be of a depth equal to that of the proposed sidewalk. Forms shall be held securely in place by stakes or braces, in such a manner to hold the top of the form edges to true line and grade.

Prior to pouring the concrete, all forms and templates shall be thoroughly cleaned and treated with an approved material to prevent the concrete from adhering thereto. Materials that will adhere to or discolor the concrete shall not be used.

#### Concrete

Concrete shall meet the requirements of Penn DOT Form 408, 1994 Specifications, latest revision, Section 704 for Class A Cement Concrete, 4000-psi mix. No concrete shall be mixed or placed with the

air temperature is 30°F or above 90°F. Cold and hot weather curing methods shall be used when required by the Township Representative.

### Construction

Sidewalk shall slope toward the street at the rate of ¼” inch per foot. It shall be constructed in separate slabs the thirty feet (30’) in length, except for closures. These slabs shall be separated for the full depth by expansion joints or approved ½ inch premolded bituminous material. The premolded material shall also be placed longitudinally at the joint where sidewalk slabs abut concrete curb and existing sidewalk.

Between the transverse expansion joints, the slabs shall be divided into blocks five feet (5’) in length using 1/8-inch steel templates equal to that of the slab.

Where existing light standards, poles, fire hydrants, etc. are within the sidewalk area, concrete around such structures shall be scored to the depth of ¼ of the slab thickness, in a block eight (8”) wider than the maximum dimension of the structure at the sidewalk elevation. Prior to placing the concrete, ¼ inch premolded expansion joints shall be placed completely around the structures for the full depth of the sidewalk.

All joints shall be edged with an edger having a ¼ inch radius.

### Placing and finishing

Sidewalks shall be carefully placed monolithically for the entire width of the slab without segregation of constituents to full depth and screened true to grade and sections. Eliminating all voids. Sufficient mortar shall be brought to the surface for finishing to a true and even surface in a neat and even manner using approved floats.

All sidewalks shall be poured to the depth of four inches (4”). All driveway crossovers shall be poured to a depth of six inches (6”) and reinforced the full length and width of the cross over with 6”x6” No. 6 wire mesh.

The surface shall be given a rough float finish or light transverse brooming as directed by the property owner. Sidewalk forms shall be cured with an approved curing compound. After the concrete has set and the forms removed, the excavated areas shall be backfilled as directed by the property owner.

### Handicap Accessibility Requirements

Handicap accessible ramps shall be constructed at all intersections in accordance with the requirements of the Americans with Disabilities Act (ADA).

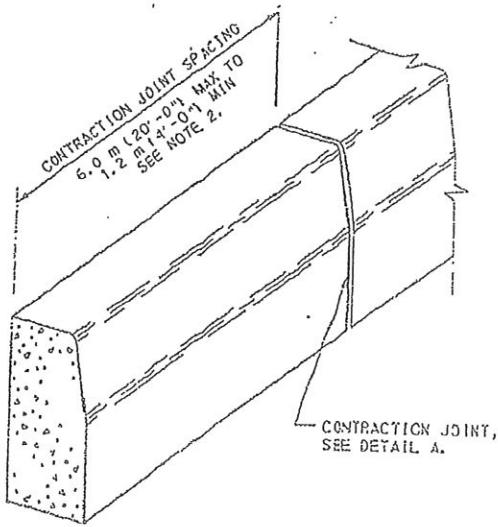
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NOTES

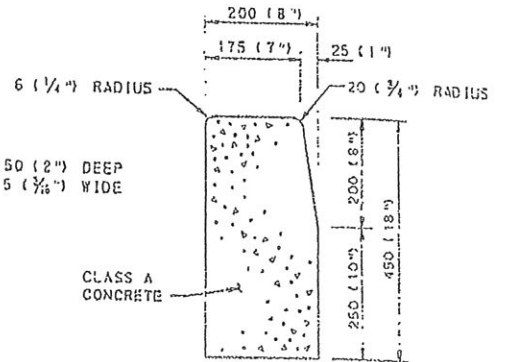
1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTION 830 FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB, SECTION 840 FOR PLAIN CEMENT CONCRETE GUTTER AND SECTION 841 FOR PLAIN CEMENT CONCRETE CURB GUTTER.
2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
3. PLACE 20 (3/4") THICK PREMOLOD EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
4. SEE RC-53V FOR PLAIN CEMENT CONCRETE CURB SLOPED TOP TREATMENT AT END OF STRUCTURES.
5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. U. S. CUSTOMARY UNITS IN ( ) PARENTHESES.
6. WHERE CURBS ARE INSTALLED ADJACENT TO PARKING LANES A 6" HIGH CURB CAN BE UTILIZED WITH APPROVAL FROM THE LOCAL MUNICIPALITY.



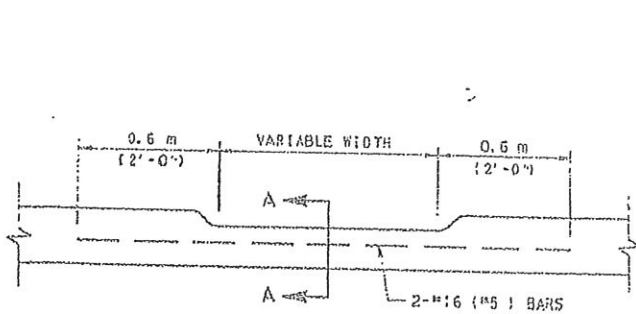
PLAIN CEMENT CONCRETE CURB



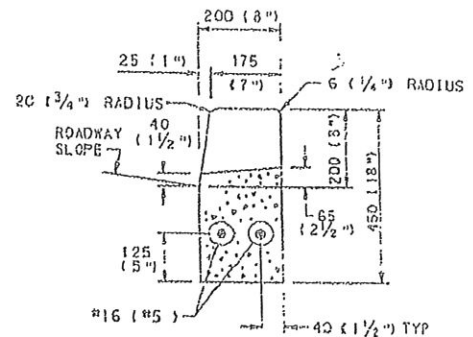
DETAIL A  
CONTRACTION JOINT



TYPICAL  
CROSS SECTION



PLAN VIEW



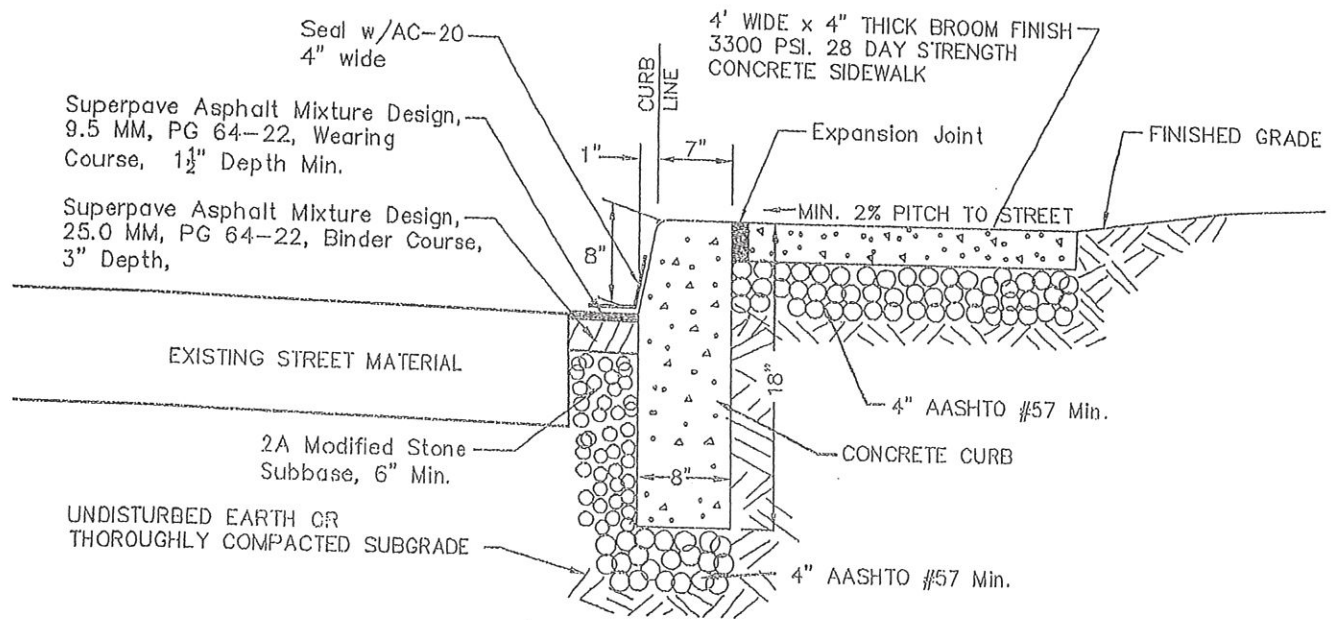
SECTION A-A

DEPRESSED CURB FOR DRIVES

DATE: SEPTEMBER 28, 2006  
SCALE: NONE  
DRAWN BY: T HILLWIG  
DWG: DETAILSWLE

For Inspections, please  
call West Lebanon Township  
717-274-1598

**CURB & GUTTER DETAILS**  
FOR  
**WEST LEBANON TOWNSHIP**  
LEBANON CO., PA

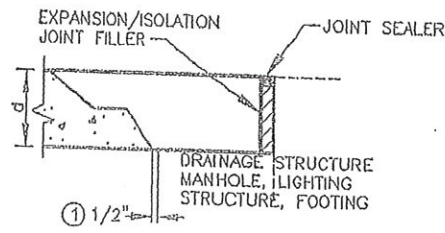
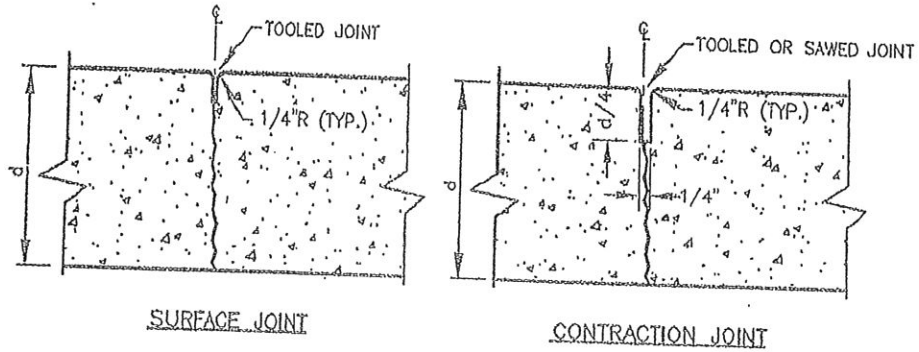


NOTES:  
CONSTRUCTION AND MATERIALS FOR BITUMINUS PAVING REPAIR AND PATCH AT  
STRAIGHT CURB SHALL CONFORM TO PADOT FORM 408 SPECIFICATIONS.

DATE: SEPTEMBER 28, 2006  
SCALE: NONE  
DRAWN BY: T HILLWIG  
DWG: DETAILSWLE

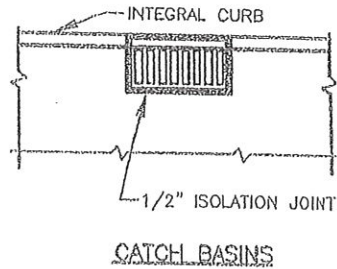
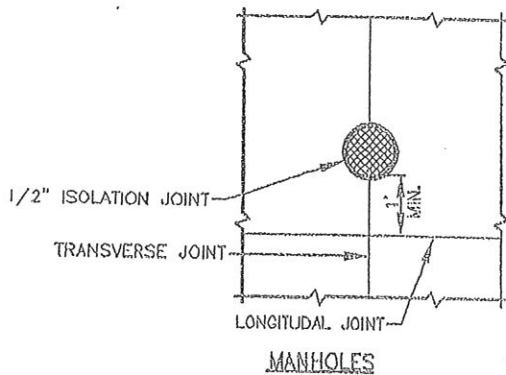
For Inspections, please  
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717-274-1598

**BITUMINUS PAVING & PATCH  
AT STRAIGHT CURB**  
FOR  
**WEST LEBANON TOWNSHIP**  
LEBANON CO., PA



EXPANSION/ISOLATION JOINT DETAIL

① 3/8" JOINT FILLER FOR SIDEWALKS  
ADA RAMPS AND DRIVEWAYS



NOTES:

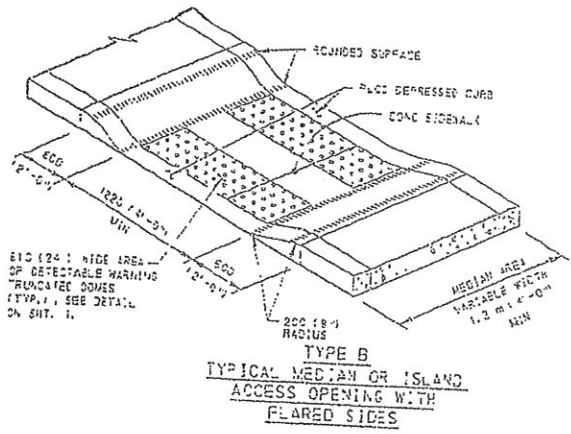
1. CONTRACTION JOINTS MAY BE USED IN PLACE OF SURFACE JOINTS.
2. CONSTRUCTION COLD JOINTS MAY BE USED IN PLACE OF CONTRACTION JOINTS.
3. CONCRETE PAVEMENT LOAD TRANSFER REQUIREMENTS ACROSS JOINTS SHALL BE DETERMINED BY PCC PAVEMENT DESIGN.
4. PARALLEL JOINTS SHALL BE SEPARATED BY A MINIMUM OF 2'.

DATE: SEPTEMBER 28, 2006  
SCALE: NONE  
DRAWN BY: T HILLWIG  
DWG: DETAILSWLE

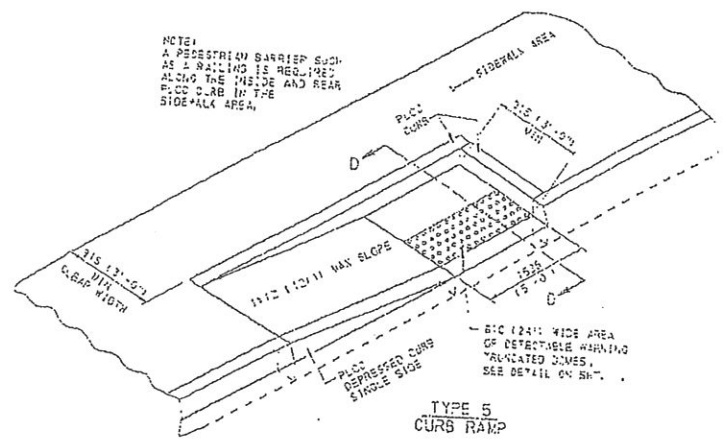
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call West Lebanon Township  
717-274-1598

**CONCRETE JOINT DETAILS**  
FOR  
**WEST LEBANON TOWNSHIP**  
LEBANON CO., PA

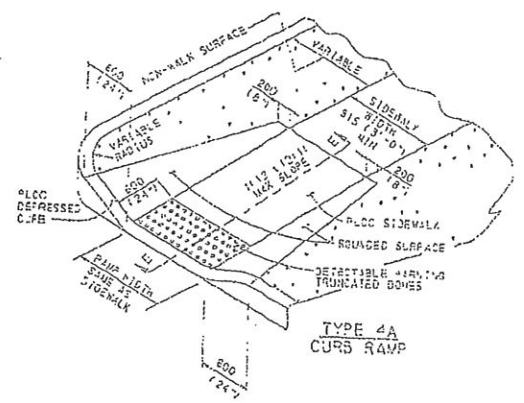




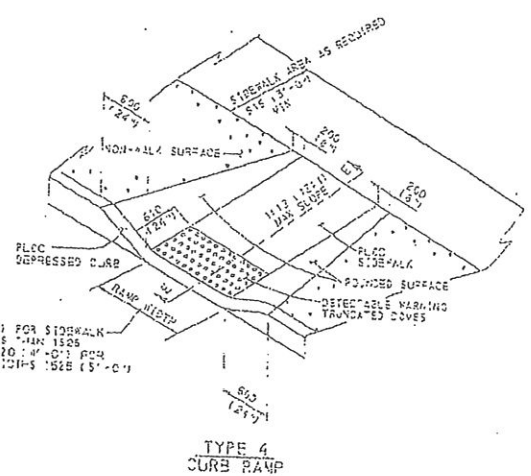
**TYPE B**  
**TYPICAL MEDIAN OR ISLAND**  
**ACCESS OPENING WITH**  
**FLARED SIDES**



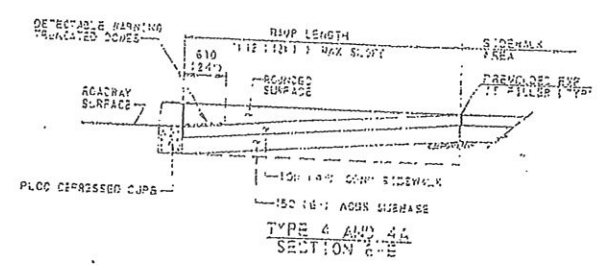
**TYPE 5**  
**CURB RAMP**



**TYPE 4A**  
**CURB RAMP**



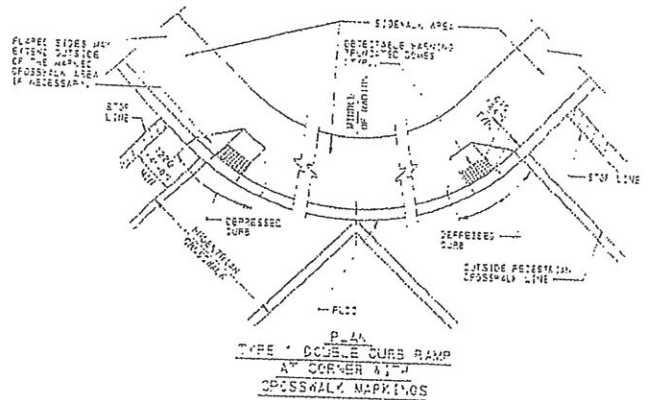
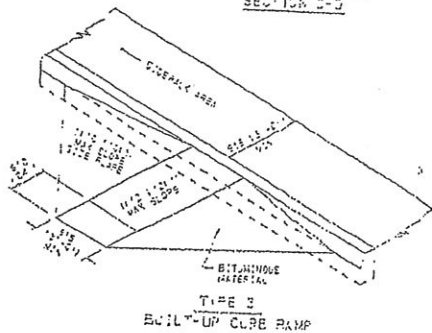
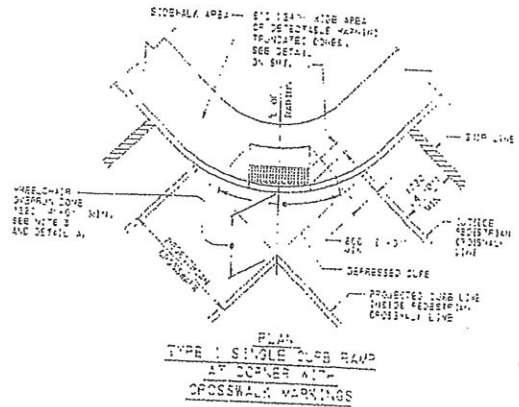
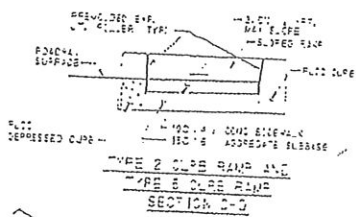
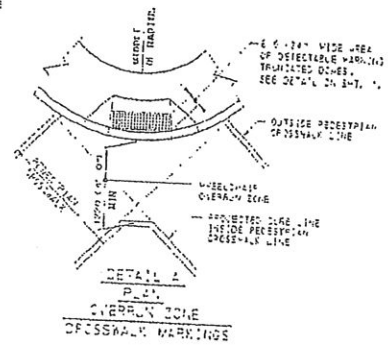
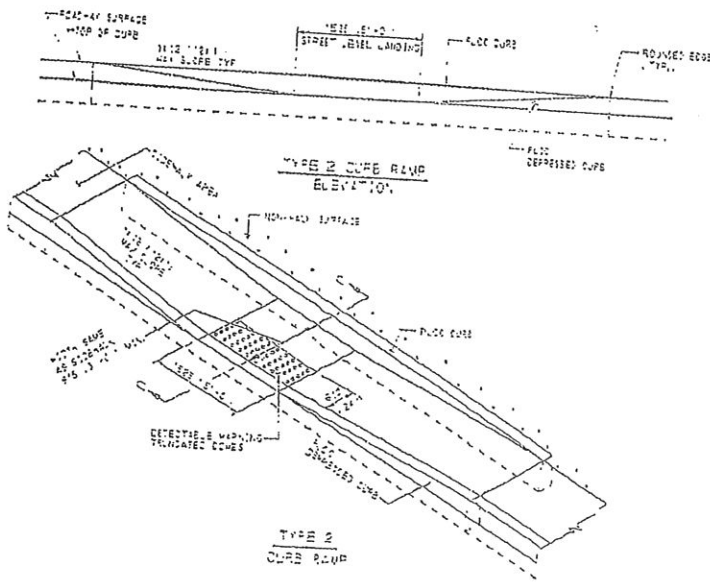
**TYPE 4**  
**CURB RAMP**



DATE: SEPTEMBER 28, 2006  
 SCALE: NONE  
 DRAWN BY: T HILLWIG  
 DWG: DETAILSWLE

For Inspections, please  
 call West Lebanon Township  
 717-274-1598

**CURB RAMP DETAILS**  
 FOR  
**WEST LEBANON TOWNSHIP**  
 LEBANON CO., PA



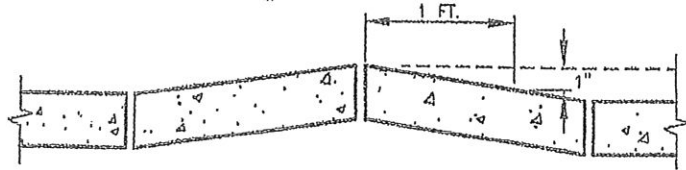
DATE: SEPTEMBER 28, 2006  
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 DRAWN BY: T HILLWIG  
 DWG: DETAILSWI.E

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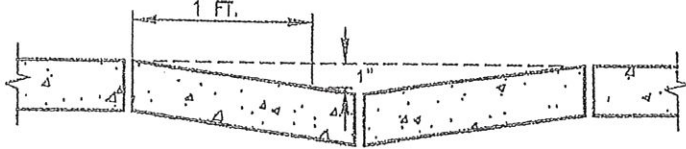
**CURB RAMP DETAILS**  
 FOR  
**WEST LEBANON TOWNSHIP**  
 LEBANON CO., PA



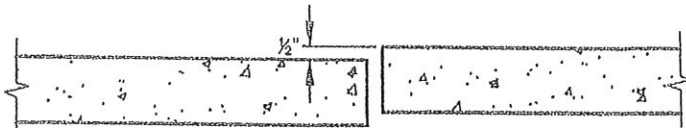
1) RAISED SIDEWALK



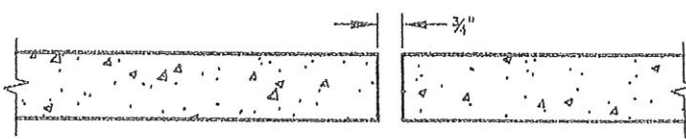
2) SUNKEN SIDEWALK



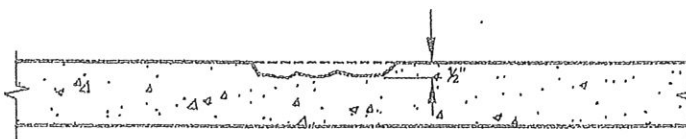
3) STEP SEPARATIONS



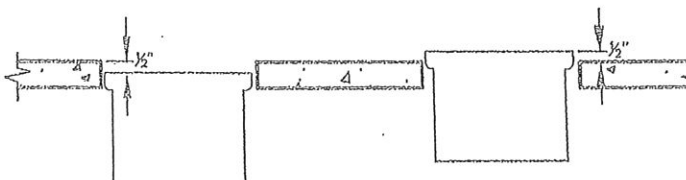
4) OPENING IN SIDEWALK



5) SPALLING OF SIDEWALK



6) METER BOXES



7) BROKEN CURB

8) OTHER HAZARD

NOTE:

PAVERS SHALL FOLLOW THE SAME CRITERIA AS CONCRETE SIDEWALKS.

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SCALE: NONE  
DRAWN BY: T HILLWIG  
DWG: DETAILSWLE

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**SIDEWALK REPLACEMENT**  
FOR  
**WEST LEBANON TOWNSHIP**  
LEBANON CO., PA

## Sidewalk, Curb & Driveway Regulations

1. Provide materials and construction meeting the requirements of publication 408, Section 630 for plain cement concrete curb and depressed curb. Section 640 for plain cement concrete gutter and Section 641 for plain cement curb gutter.
2. Space contraction joints in uniform length or section.
3. All dimensions are in millimeters unless otherwise not U.S. customary units in parenthesis.
4. All sidewalk sections must be 4' x 4' or 5' x 5', with expansion joints.
5. All curbs at alleys must have completed radius and approx. 10' of straight curb with sloped 3" end. NO FLAT END.
6. All stone backfill must be 2A aggregate and must be machine tamped with a minimum of six (6") inches.
7. Street specs are as follows,
  - A. Binder- Superpave 25.0mm with binder course with minimum thickness of three (3") inches
  - B. All wearing course must be Superpave 9.5 mm typical wearing with a minimum thickness of 1 1/2".
  - C. Sealer must be AC 20.
8. Per Ordinance 454, While work is underway, & at all times prior to completion of the resurfacing of the street, to keep in place sufficient barricades, Construction fence, warning signs and warning lights to guard the opening or excavation and to the traveling public.

A Bond is required in the amount of \$10,000.00 payable to West Lebanon Township.

A copy of Liability & Workmen Comp. Insurance for \$1,000,000.00 must be received before a permit will be issued.