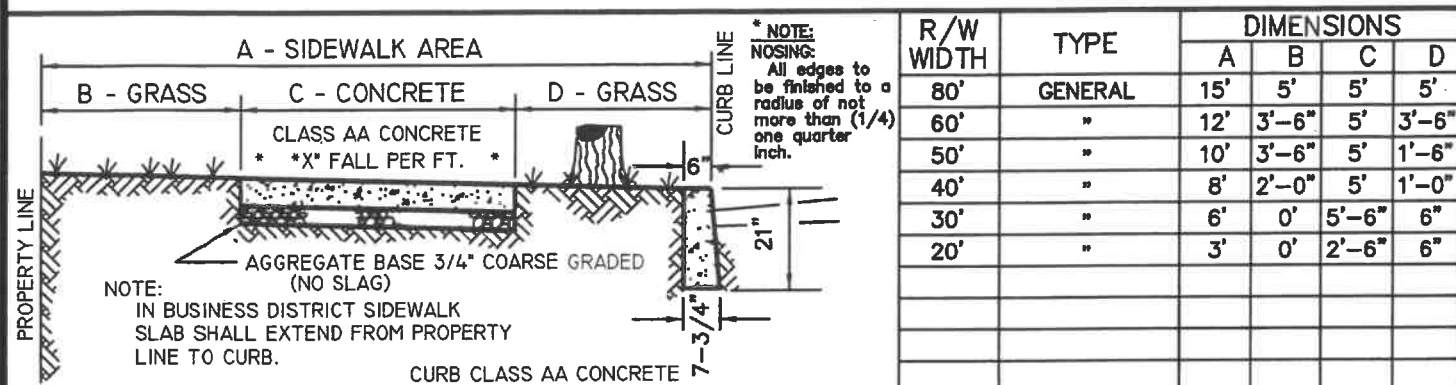


STANDARDS

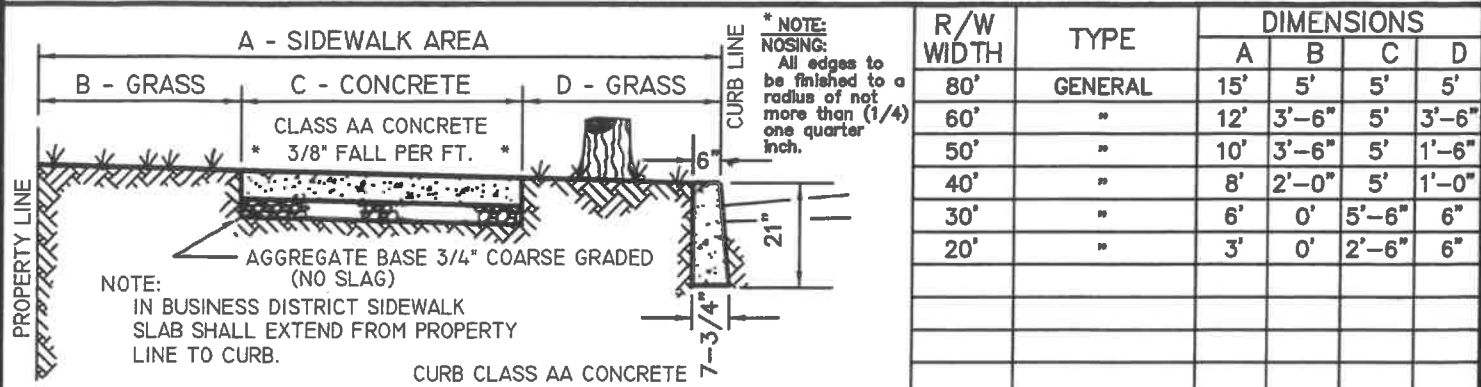
CURB ^A _N _D SIDEWALK

CITY OF ALLENTOWN, PA.
DEPARTMENT OF PUBLIC WORKS



*X = 3/8"/FT FOR REPLACEMENT SLABS IN EXISTING SIDEWALK.
X = 1/4"/FT FOR NEW DEVELOPMENT SIDEWALK.

- PERMITS:** Prior to the start of work, a WORK ORDER must be obtained from the Bureau of Engineering, authorizing the work to be performed.
- SIDEWALK:**
- A. Dimensions: Sidewalk blocks shall have an area of 25 square feet (5'x5'). Slabs having an area of more than 100 square feet shall be reinforced with wire fabric.
 - B. Concrete Depth: The depth of the concrete slab can be one of the three (3) approved types. They are:
 1. Type #6: Six (6") inches of Class AA concrete on two (2") inches of 3/4" course graded stone bed on tamped earth.
 2. Type #5: Five (5") inches of Class AA concrete on three (3") inches of 3/4" course graded stone bed on tamped earth.
 3. Type #4: Four (4") inches of Class AA concrete on four (4") inches of 3/4" course graded stone bed on tamped earth.
 - C. Slope: In general the pitch or slope of the sidewalk from the curb to the property line shall be three-eighths (3/8") of an inch per foot ascending from the curb line. At intersecting streets, warping may be used to conform to the intersecting grades.
 - D. Expansion: Expansion joints shall be placed at intersections and structures, or as directed by the Engineer. Expansion shall be pre-molded bituminous material of at least 3/8 of an inch in thickness.
 - E. Finish: The concrete must be puddled for proper mixture and elimination of air pockets. The finished surface can either be a wooden float or a soft broom finish.
- CROSSOVERS:** Applications for Residential, Commercial or Industrial Crossovers must be obtained from the Bureau of Engineering prior to starting work. (Refer to Crossovers Application for Specifications and Standards).
- INSPECTION:** All work performed in the public right of way within the City of Allentown is subject to inspection by the Bureau of Engineering. An inspection slip MUST BE OBTAINED prior to the placement of any concrete. The Bureau of Engineering will issue the necessary releases. Call 437-7589 or 437-7596 for an inspector. Work performed without the necessary release will be subject to removal at the Contractor's expense.

CURB ^A_N_D SIDEWALK STANDARDS

- PERMITS:**
- Warrant of Survey:** A Warrant of Survey will be required to establish the proper line and grade of the curb to be installed.
 - Work Order:** A Work Order must be obtained prior to the start of any work in the public right of way within the City of Allentown.
 - Crossovers:** Application for Residential, Commercial or Industrial Crossovers must be obtained from the Bureau of Engineering prior to starting work.

ALL OF THE ABOVE PERMITS CAN BE OBTAINED FROM THE BUREAU OF ENGINEERING THIRD FLOOR, 641 SOUTH TENTH STREET, ALLENTOWN, PA. 18103.

- CURB:**
- Forms:** Curb forms, preferably steel forms. Other material shall be smooth, free from warp and must be rigid enough to resist springing out of shape.
 - Dimensions:** Curb shall be 21 inches in depth, 6" at the top and 7-3/4" at the base.
 - Joints:** All curb shall be cut clear through so it consists of sections ten (10') feet in length.
 - Expansion Joints:** Expansion joints shall be placed at the ends of all radii, along all structures or as directed by the Engineer. Expansion shall be pre-molded bituminous material of at least 3/8" of an inch in thickness.

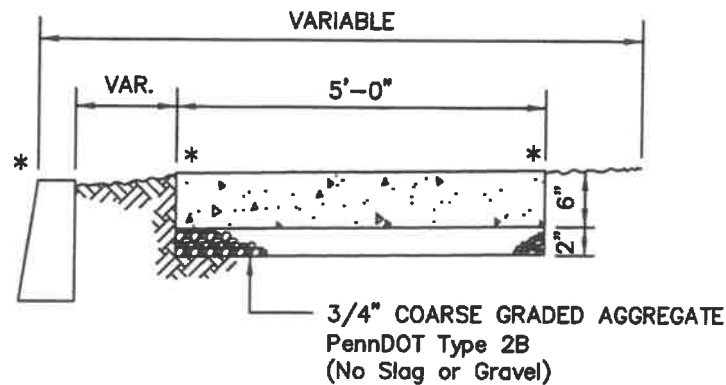
MATERIAL: All concrete used for the construction of curb shall be Class AA Concrete and shall meet the PennDOT Specifications Form 408 and the latest revisions.

FINISH: After concrete is placed into the forms it shall be puddled and spaded thoroughly so as to insure a proper mixture, eliminating air pockets and creating uniform and smooth sides. Before the concrete has thoroughly set and while the concrete is still green the forms shall be removed. The face shall be checked for honeycomb or large air holes (1/4" or larger). Areas affected shall be grouted in with a 50/50% mix of sand and cement and given a steel trowel finish. If the surface is unsatisfactory, the entire top 8" of the face shall be hand rubbed. Plastering or the adding of water are not permitted to achieve the final finish unless authorized by the City Engineer.

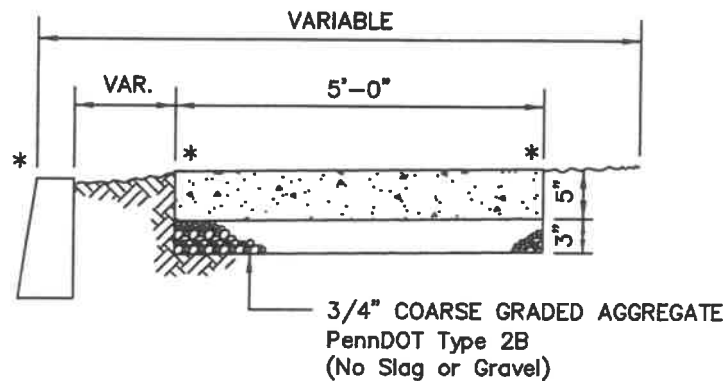
CROSSOVERS: (Same as on Sidewalk).

INSPECTIONS: (Same as on Sidewalk).

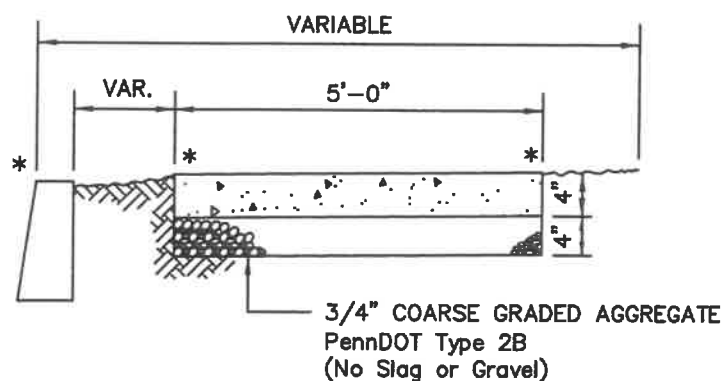
TYPE "6" (6" CONCRETE ON A "2" AGGREGATE BASE)



TYPE "5" (5" CONCRETE ON A "3" AGGREGATE BASE)



TYPE "4" (4" CONCRETE ON A "4" AGGREGATE BASE)



* NOTE: The NOSING on all edges shall be finished to a radius of not more than one-quarter (1/4) inch.

CITY OF ALLENTOWN, PA.
DEPT. OF PUBLIC WORKS - ENGINEERING

TYPICAL SECTIONS THREE VARIOUS
TYPES CONCRETE SIDEWALK

REV. 2/5/93
REV. 1/6/82

DATE
APRIL '98

SCALE
NO SCALE

DEPT. DIR. & CITY ENG: NEAL E. KERN
MANAGER OF ENG: RONALD CACIOLO