



City of Lancaster- Building Department

121 East Chestnut Street, Suite 102, Lancaster, Ohio 43130-3825
(740) 687-6649, Fax (740) 681-5030

Web site: www.ci.lancaster.oh.us/dept/building

Specifications for Driveways, Sidewalks and Patio with No Foundation

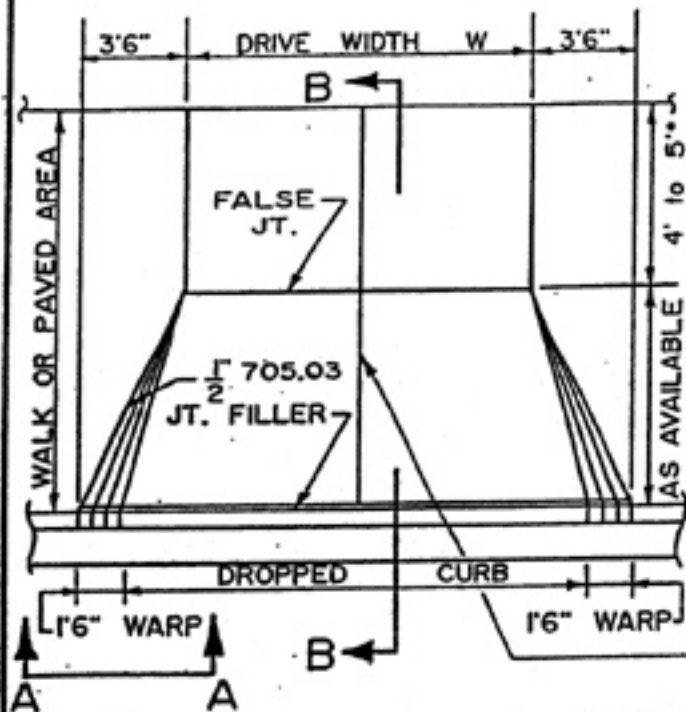
Note: All new construction must meet the zoning code in-effect prior to permit approval and requires review and/or inspections when replacing City sidewalks. All work must be a minimum of three feet from any adjacent lot or property line. Cutting the curb to install a driveway opening requires a separate permit and must meet City standards for the removal of curb materials.

(PROVIDE 2 SETS OF EACH OF THE FOLLOWING PLANS WITH YOUR PERMIT APPLICATION)

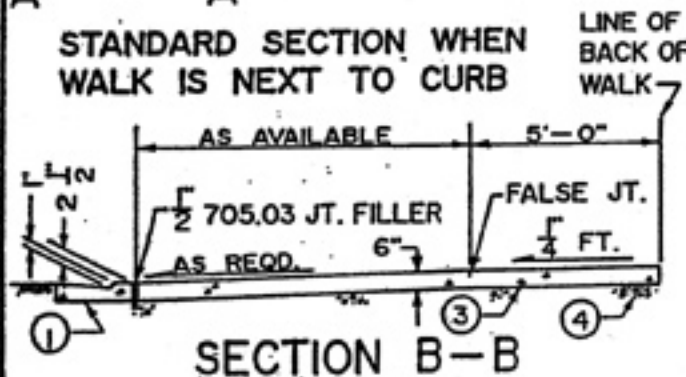
- Plot plan showing all property lines, abutting streets, location of structures on the lot indicating distances from the property lines to foundation.
- Exterior elevation drawings showing front, rear and sides of finished construction of current and/or proposed driveway, sidewalk, and patio.
- Show existing storm water drainage routes and provide plans to show any changes after completion of work.
- Provide a drawing of proposed asphalt or cement work showing depth and width of the proposed driveway, sidewalk and/or patio.
- On a separate copy of the plot plans include electrical drawings if applicable, showing placement of all sidewalk or driveway lights or heaters. Show compliance with the National Electric Code.

Zoning note: All new driveways require an all weather surface. Essentially this means all new driveways must have asphalt or cement surface applied.

Please see the following pages for construction standards for driveways and sidewalks.



STANDARD SECTION WHEN WALK IS NEXT TO CURB



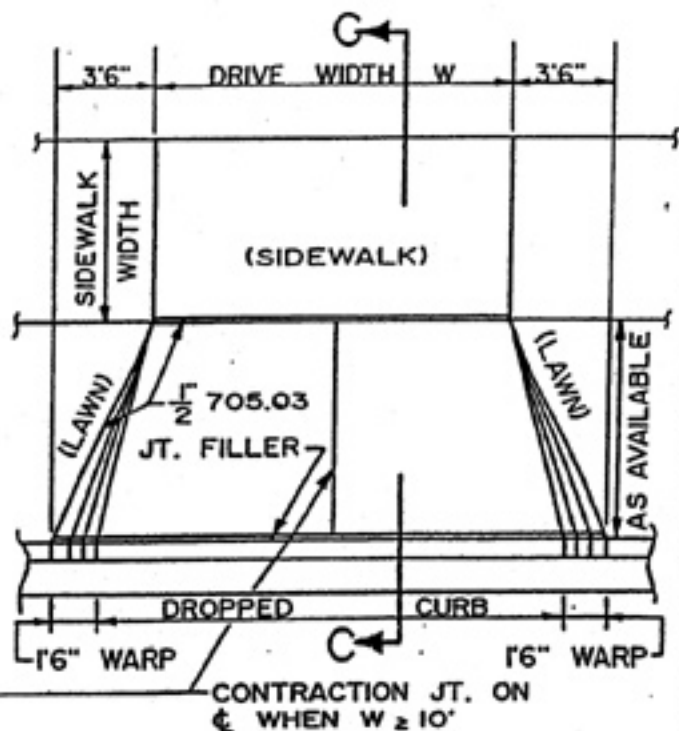
SECTION B-B

DRIVE LEGEND

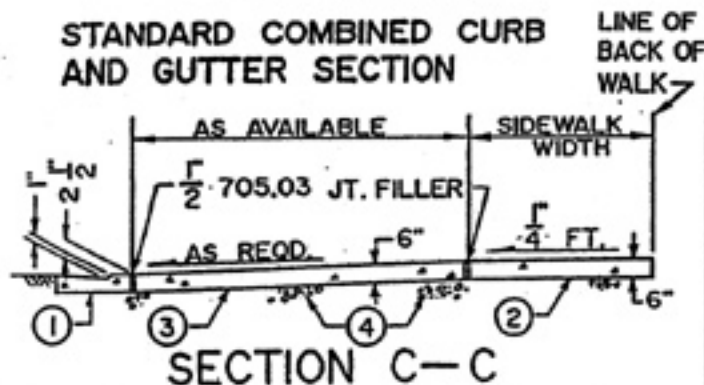
- ① 609 PCC CURBING
- ② 608 PCC SIDEWALK
- ③ 452 PCC DRIVE
- ④ 310 GRANULAR BED COURSE



ELEVATION A-A

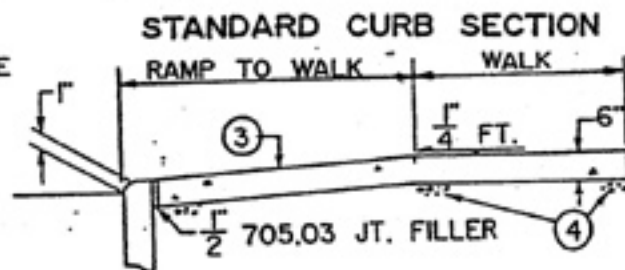


STANDARD COMBINED CURB AND GUTTER SECTION



SECTION C-C

NOTE: See Std. Const. Drwg. P-20 for Notes



STANDARD CURB SECTION

APPROVED 10/29/90 DATE

Kent Hyston
CITY ENGINEER

REVISED:

RESIDENTIAL
DRIVE APPROACH
FOR CURBED STREETS

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD
CONSTRUCTION DRAWING

DWG. BY: *H.E.M.*
CHK'D BY: *RM*

FILE NUMBER
P-21

Item numbers refer to the latest edition of the Ohio Department of Transportation, Construction and Material Specifications.

Curb or Combined Curb and Gutter shall be taken out and replaced with concrete, separated from the ramp by 1/2" preformed expansion joint. When less than 5' of a curb section remains after the curb cut is located, it shall also be removed and replaced. Curb shall be constructed in minimum 5' sections and maximum 10' sections.

Fills, if required, shall be Item 310, Subbase or Item 411, Stabilized Crushed Aggregate, compacted in layers not exceeding 4".

Notify the City Engineer's Office when forms will be ready for inspection, at least 24 hours before concrete is to be placed (Telephone 687-6614). In no case shall concrete be placed without approval of form work by the inspector.

Driveways and sidewalks shall be constructed of Plain Portland Cement Concrete, Item 452, 5% to 8% air entrained, containing six and one-half (6 1/2) bags of Cement (Cl. C, Sec. 499) per C.Y., and 3" max. slump.

Curb and combined curb and gutter shall conform to Standard Construction Drawings P-6 and P-3 and Item 609, Class C concrete with max. 3" slump, 6-1/2 bag mix, 5-8% air entrainment.

Expansion Joints shall be placed to form utility strips where required at the back of curb between sidewalk and/or drive aprons, and wherever new concrete touches existing concrete or other surface.

Forms shall consist of wood 2" nominal thickness or metal of equal strength.

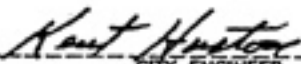
A Standard Curing Compound shall be properly applied immediately after finish.

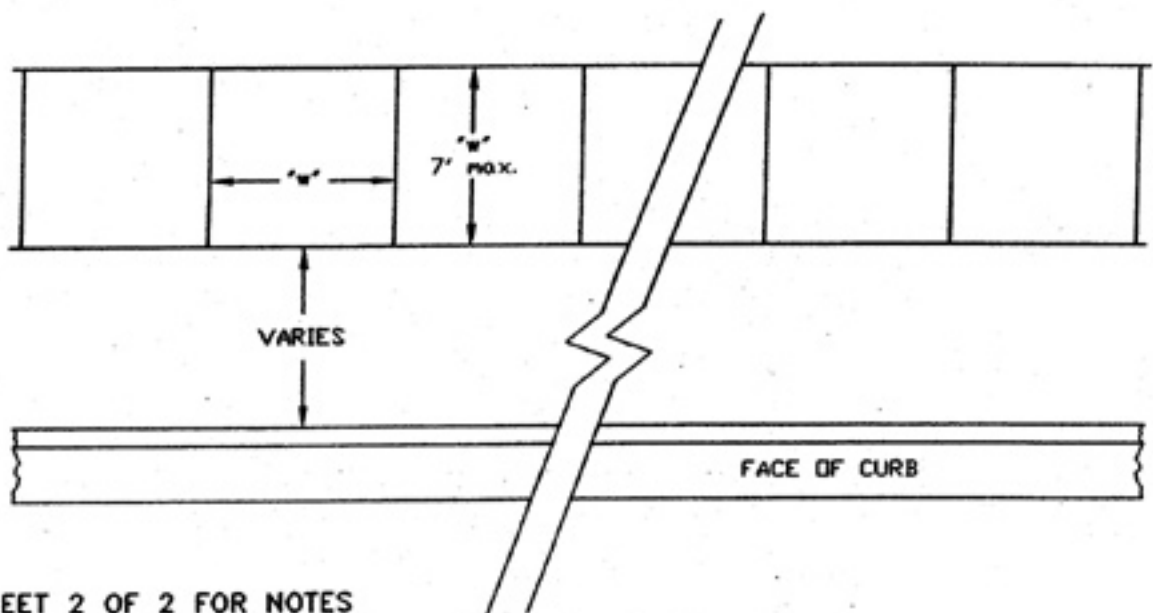
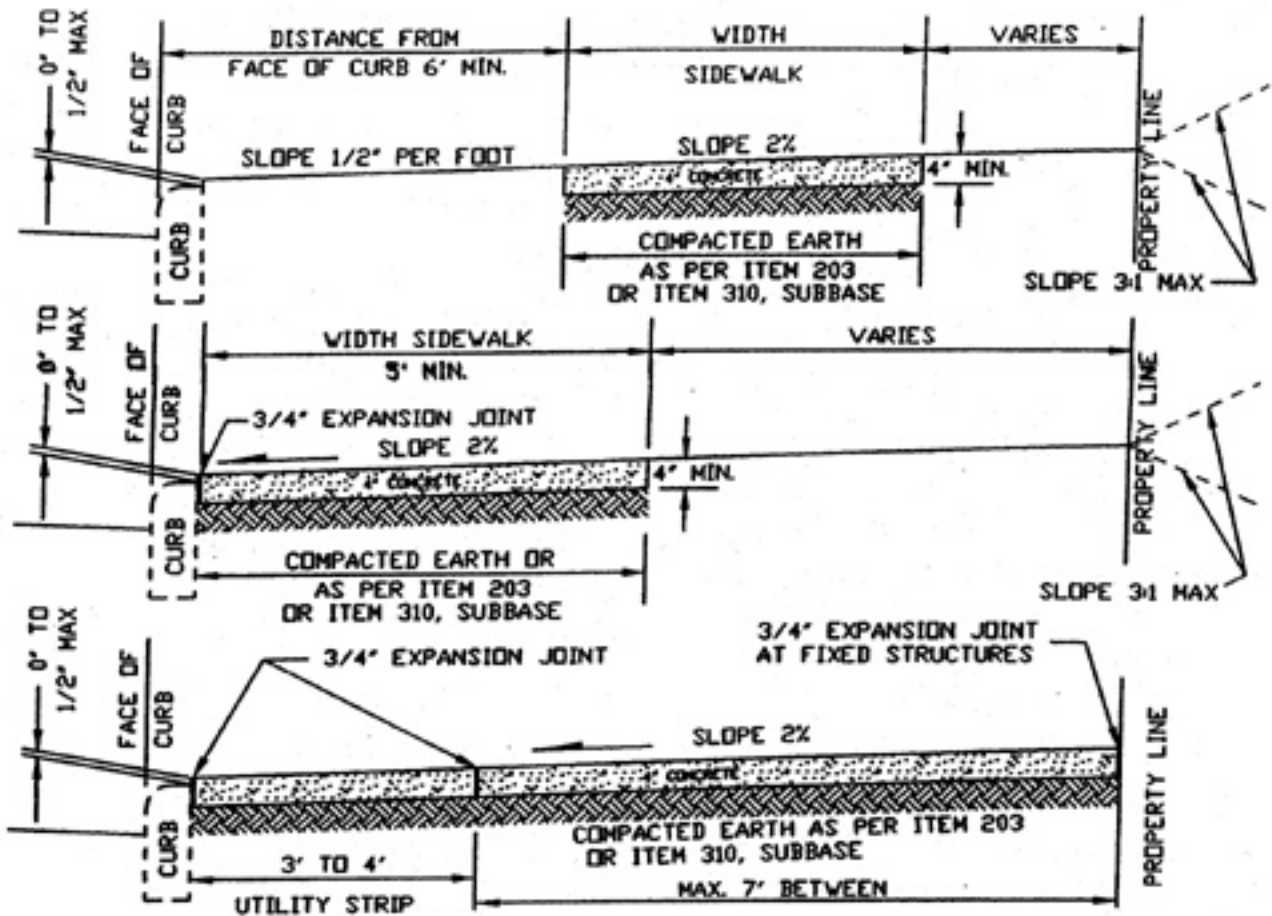
Where Sidewalk is next to curb, sidewalk may be sloped longitudinal, not to exceed 3/8" per ft., to ease the slope on the driveway ramp.

No concrete shall be placed until the temperature is 35 degrees Minimum. Concrete shall be protected in accordance with section 511.12 of Item 511.

Sandstone or limestone curbs are the property of the City. Where stone curbs are to be replaced, the existing stone curbs shall be carefully removed without cutting or marring them in any way. Upon removal of the curbs they shall be placed in a safe location and the City Street Department (687-6688) shall be notified that the curbs are ready to be picked up.

A curb cut or access permit is needed from the Department of Engineering before beginning any removal of curb or curb and gutter in a public right-of-way.

APPROVED <u>8-9-93</u>	DRIVE APPROACH NOTES	CITY OF LANCASTER, OHIO DEPARTMENT OF ENGINEERING
 CITY ENGINEER		STANDARD CONSTRUCTION DRAWING
REVISED:		DWG. BY: <u>C.S.W.</u> FILE NUMBER CHK'D BY: <u>RM</u> P-20



SEE SHEET 2 OF 2 FOR NOTES

APPROVED 9/11/96
K. S. Hutton
CITY ENGINEER
REVISED:

ITEM 608
PORTLAND CEMENT
CONCRETE SIDEWALK

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING
STANDARD
CONSTRUCTION DRAWING
DWG. BY: Y6
CHK'D BY:
FILE NUMBER
P-7 SHEET
1 OF 2

All work and materials shall conform to CMSL Item 608, Concrete Walk.

Outside edge of sidewalk shall be parallel, concentric on curves, to the right-of-way, unless otherwise approved by the City Engineer.

Sidewalk widths shall be as established by the approved street plan, or as designated by the City Engineer. Sidewalks abutting existing sidewalks shall conform in width.

Sidewalks shall slope toward the street unless otherwise approved by the City Engineer.

All sidewalk grades shall be per approved street plan or as approved by the City Engineer. P.C. concrete sidewalks shall be 6" thick through the driveway.

Forms shall be of wood or metal extending the full depth of the concrete and of 2-inch nominal thickness or of equally rigid metal.

Subgrade shall be moistened thoroughly immediately prior to placing concrete.

P.C. Concrete shall be Class C, per Item 499 with 5% to 8% entrained air and a 3" maximum slump.

No concrete shall be placed until the temperature is 35 degrees F minimum. Concrete shall be protected from freezing until specimen beams attain a modulus of rupture of 600 psi.

All concrete shall be placed in one course, struck-off and smoothed with a float to a sandy texture. After the concrete has set somewhat, a soft-bristle broom shall be lightly drawn across the surface to produce a nonslip surface. No plastering is permitted. All outside edges and joints shall be edged with 1/4" radius edging tool.

The surface of walks shall be divided into equally spaced blocks with transverse joints at intervals equal to the walk width to form rectangular blocks no greater than 7' in any dimension. Transverse joints shall be sawn or formed to a depth not less than one-fourth the slab thickness and be 1/8" wide.

Expansion joints shall be placed where new concrete touches existing construction, at any fixed structure, at the juncture with curbs, and at intervals not exceeding 50'. Expansion joint filler shall be 3/4 inch thick bituminous, non-extruding, extending the full depth of the walk.

Immediately after finishing, concrete shall be cured as required in Item 451 at a rate not less than 1 gal/200 SF of surface.

Manhole covers and utility valve boxes in the sidewalk area shall be adjusted to proper grade, so a trip hazard is not created.

When a sidewalk is constructed for the entire width from curb to right-of-way line, the walk shall be constructed part width at a time, allowing sufficient unobstructed area for safe movement of pedestrian and wheelchair traffic.

Roof drains shall be extended under the sidewalk and through the curb per Standard Construction Drawing P-22.

Length and slope of driveway ramps are variable according to the distance of sidewalk from the curb.

APPROVED

9/11/96


CITY ENGINEER

REVISED:

ITEM 608
PORTLAND CEMENT
CONCRETE SIDEWALK

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD
CONSTRUCTION DRAWING

DWG. BY: VG

CHK'D BY:

FILE NUMBER

P-7 SHEET
2 OF 2