

SEE SHEET 2 OF 2 FOR NOTES

APPROVED 3-11-13

Brad Fagrell
CITY ENGINEER

REVISED: 8 MAR 13

ITEM 608
PORTLAND CEMENT
CONCRETE SIDEWALK

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD
CONSTRUCTION DRAWING

DWG. BY: DDK
CHK'D BY: *RM*

FILE NUMBER
P-7 SHEET 1 OF 2

ALL WORK AND MATERIALS SHALL CONFORM TO CMSL ITEM 608, CONCRETE WALK, AND TO THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES UNDER THE AMERICANS WITH DISABILITIES ACT (ADA).

THE OUTSIDE EDGE OF SIDEWALK SHALL BE PARALLEL, CONCENTRIC ON CURVES, TO THE RIGHT-OF-WAY LINE, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. THE GRADE OF THE SIDEWALK SHALL FOLLOW THE GRADE OF THE CURB AND/OR EDGE OF STREET PAVEMENT. SIDEWALKS SHALL SLOPE TOWARD THE STREET UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. SIDEWALK WIDTHS SHALL BE PER THE APPROVED STREET PLAN, OR AS DESIGNATED BY THE CITY ENGINEER.

P.C. CONCRETE SIDEWALKS SHALL BE 6 INCHES THICK THROUGH THE DRIVEWAY.

FORMS SHALL BE MADE OF LUMBER 2 INCH NOMINAL THICKNESS OR OF EQUALLY RIGID METAL.

SUBGRADE SHALL BE MOISTENED THOROUGHLY IMMEDIATELY PRIOR TO PLACING CONCRETE.

SIDEWALKS SHALL BE CONSTRUCTED WITH P.C. CONCRETE (CLASS C, PER ITEM 499) WITH 5% TO 8% ENTRAINED AIR AND A 3-INCH MAXIMUM SLUMP.

NO CONCRETE SHALL BE PLACED UNTIL THE TEMPERATURE IS 35° F AND RISING. ONCE PLACED CONCRETE SHALL BE PROTECTED FROM FREEZING UNTIL SPECIMEN BEAMS ATTAIN A MODULUS OF RUPTURE OF 600 PSI.

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 FOOT IN ANY DIMENSION. SAW OR FORM TRANSVERSE JOINTS TO A DEPTH NOT LESS THAN ONE-FOURTH THE SLAB THICKNESS AND BE 1/8 INCH WIDE.

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 NON-SLIP SURFACE. NO PLASTERING IS PERMITTED, ALL OUTSIDE EDGES AND JOINTS SHALL BE EDGED WITH 1/4 INCH RADIUS EDGING TOOL. ALL CONCRETE WORK MUST SHOW FINISH TOOL MARKS AFTER BROOMING, PROVIDING A "PICTURE FRAME" TO EACH BLOCK.


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 30 FEET. EXPANSION JOINT FILLER SHALL BE 1/2 INCH THICK ASPHALT, (SPEC. # ASTM-D-994), NON-EXTRUDING, EXTENDING THE FULL DEPTH OF THE WALK.

IMMEDIATELY AFTER FINISHING, CONCRETE SHALL BE CURED IN AN APPROVED MANNER PER ITEM 451.

MANHOLE LIDS AND VALVE BOXES IN THE SIDEWALK AREA SHALL BE ADJUSTED TO PROPER GRADE.

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 TRAFFIC.

ROOF DRAINS SHALL BE EXTENDED UNDER THE SIDEWALK AND THROUGH THE CURB PER STANDARD CONSTRUCTION DRAWING P-22.

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