

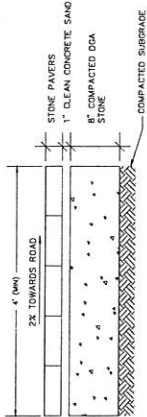
BOROUGH OF PENNINGTON
Outline for Applying for a Sidewalk
Construction Permit and Construction Guidance

1. The owner/contractor doing the work should apply for the permit. However, it is the homeowner's ultimate responsibility.
2. It is mandatory that a "One Call Reference Number" be included on the application. The One Call Phone number is (800) 272-1000 or "811".
3. The contractor must provide a current Certificate of Liability Insurance. See attached permit for details.
4. During construction, the Borough's sidewalk inspector must observe the formwork and base prior to placement of the concrete and have the option to be present during the concrete pour. Larger jobs involving ten (10) or more slabs of sidewalk being poured at one time will also require a temperature check during the pour. 24-hour notice is required. Contact Pennington Borough Public Works (609-737-9440).

IF SHADE TREES ARE INVOLVED:

1. Tree roots lifting the sidewalk must be addressed prior to the repair. It is unlawful for any property owner to remove a tree or part of a tree within the public right of way without the approval of the Borough or the County.
 - If roots from Borough shade tree(s) are causing the sidewalk or driveway to crack or lift, you must first contact the Borough Department of Public Works to schedule a site visit by the Borough Shade Tree Committee's arborist. (Public Works 609-737-9440)
 - If roots from a County shade tree(s) are causing the sidewalk or driveway to crack or lift, you should contact the Mercer County Shade Tree Office before beginning work on replacing the sidewalk or driveway. (609-530-7500)
2. When trees are an issue and/or concern, we recommend applying for a permit 4 to 6 weeks prior to construction. This time allows for permit review, site condition evaluation and scheduling. If trees are not an issue, please allow 2 weeks.
3. Once the Borough or County representative is scheduled for a site visit, you or your contractor must remove the affected section of sidewalk/driveway before the scheduled appointment. The Borough or County representative will then inspect the roots and mark which roots may be removed. You or your contractor may then carefully remove only the marked roots before continuing with the installation of the replacement sidewalk/driveway. The recommendation may be, but is not limited to, tree removal, root removal, and/or redirecting the sidewalk around the tree trunk.
4. When either a root or the stump of the tree is removed and the void is deeper than the new concrete or crushed stone foundation, the remaining void is to be filled with compacted DGABC base. All millings of the stump are to be removed from the excavation.

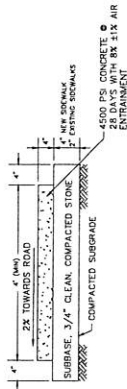
Public Works hours are weekdays 7:30 am to 3:00 pm.



SIDEWALK STONE PAVER DETAIL
NOT TO SCALE

NOTES:

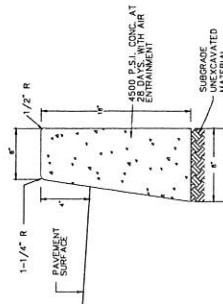
1. STONE PAVER SIDEWALK SHALL ONLY BE INSTALLED IN VICINITY OF TREES, WHERE APPROVED BY THE ENGINEER.



CONCRETE SIDEWALK DETAIL
NOT TO SCALE

NOTES:

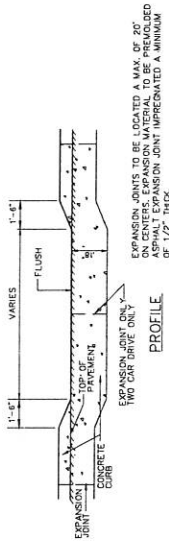
1. PROVIDE EXPANSION JOINTS EVERY 20' CONSTRUCTION JOINTS EVERY 4' AT A DEPTH OF 1/4" THICKNESS OF CONCRETE.
2. SIDEWALK AND APRONS AT DRIVEWAYS SHALL BE 6" THICK WITH 6#6 W.W.M.
3. CROSS SLOPE OF THE SIDEWALK SHALL BE AT 1/4" PER FOOT TOWARDS THE ROAD.
4. SUBBASE SHALL BE 4" OF CLEAN STONE FOR NEW SIDEWALKS AND 2" OF CLEAN STONE WHEN REPLACING EXISTING SIDEWALKS.
5. LIFTING AND REPLACING EXISTING SLABS IS PROHIBITED UNLESS SPECIAL CIRCUMSTANCES ARE PRESENTED AND APPROVED BY THE ENGINEER.



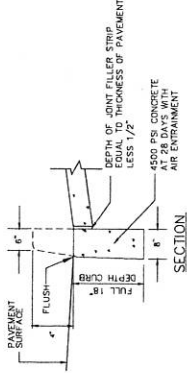
CONCRETE CURB DETAIL
NOT TO SCALE

NOTES:

1. EXPANSION JOINTS SHALL BE PROVIDED AT EQUAL DISTANCES OF NOT MORE THAN 20' AND AT ALL STORM SEWER INLETS. JOINTS SHALL BE FILLED WITH PREFORMED EXPANSION JOINT FILLER 1/2" FOR ROAD AND BRIDGE CONSTRUCTION. CONTRACTION JOINTS SHALL BE PROVIDED EVERY 10' JOINT FILLER SHALL BE RECESSED 1/4" FROM THE TOP AND FRONT OF THE CONCRETE CURB.
2. CURB SHALL BE TEMPORARILY BACKFILLED TO FINISH GRADE WITH SOIL BEHIND AND STONE ON THE ROAD SIDE AS SOON AS IT HAS ATTAINED SUFFICIENT CONCRETE STRENGTH OR WITHIN 24 HOURS OF POURING (WHICHEVER IS LESS).
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL CURB UNTIL FORMALLY ACCEPTED BY THE BOROUGH. ALL CURB THAT IS BROKEN, CRACKED OR OUT OF ALIGNMENT SHALL BE REPLACED WITHIN 24 HOURS OF ACCEPTANCE. CURB REPLACEMENT SHALL BE FROM EXPANSION JOINT TO EXPANSION JOINT ONLY.

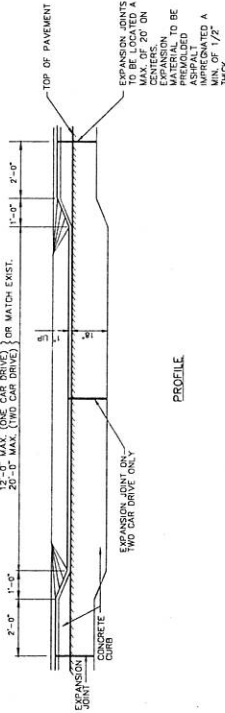


PROFILE

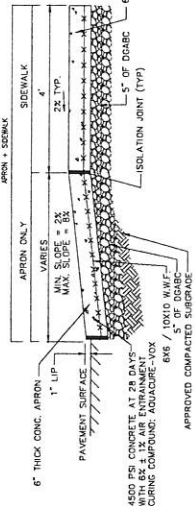


SECTION

DEPRESSED CURB FOR HANDICAPPED RAMP
NOT TO SCALE

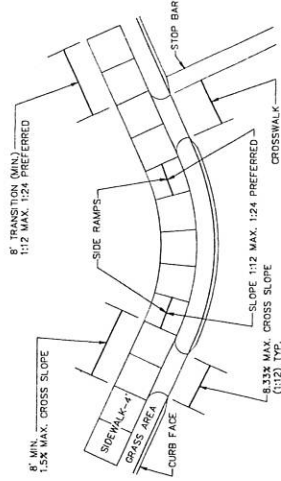


PROFILE



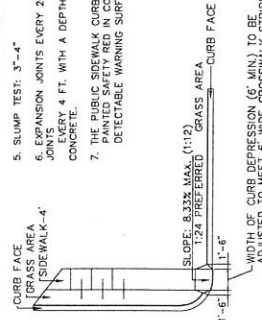
SECTION

CONCRETE DRIVEWAY APRON DETAIL AT DRIVEWAYS
NOT TO SCALE



NOTES:

1. CURB REVEAL AT RAMP SHALL BE FLUSH WITH THE PAVEMENT.
2. RAMPS SHALL BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER.
3. RAMPS SHALL BE 4500 PSI CONCRETE WITH 6% ± 1% AIR ENTRAINMENT; 2" THICK SIDEWALK FULL DEPTH CURB.
4. CONCRETE TO BE PLACED AND CURED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED HEREIN.
5. SLUMP TEST: 3"-4"
6. EXPANSION JOINTS EVERY 20 FT. AND CONSTRUCTION JOINTS EVERY 4 FT. WITH A DEPTH OF 1/4" THICKNESS OF CONCRETE.
7. THE PUBLIC SIDEWALK CURB RAMP DELINEATION SHALL BE PAINTED SAFETY RED IN COLOR AND BE FINISHED WITH A DETECTABLE WARNING SURFACE (SEE DETAIL THIS SHEET).



HANDICAP RAMP DETAIL
NOT TO SCALE

W.H. Kelly - Jersey Associates, P.C.
CONSULTING ENGINEERS, ARCHITECTS & LAND SURVEYORS
1775 ROUTE 100, SUITE 200
ROSELAND, NJ 07068
TEL: 973-261-1100 FAX: 973-261-1101
NJ REG. NO. 12-000000000-1

KENT I. SCULLY
NEW JERSEY PROFESSIONAL ENGINEER
LICENSE NO. 82129

PREPARED FOR: PENNINGTON BOROUGH
SITUATION: STATION IN
DRAWN BY: ZP
CHECKED BY: VS

DATE: MAY 23, 2007
SCALE: AS SHOWN
SHEET NO.: 1225-110-0
PAGE: 1225-110-0
FILE NO.: CE-1

CONCRETE CONSTRUCTION DETAILS

NO.	DESCRIPTION	DATE	BY	CHKD
1.	APPROVED DRAWING	5/23/07	VS	ZP