



2501 Stanbridge Street
East Norriton, PA 19401

610-275-2800 tel
610-277-1879 fax

www.eastnorritontwp.org

East Norriton Township Curb/Driveway/Sidewalk Permit Application

I. LOCATION	
Address	

II. PROPERTY OWNER	
Name	Address
Phone #	City, State, Zip

III. CONTRACTOR	
Name	PA Contractor Registration #:
Phone #	Address
	City, State, Zip

IV. APPLICANT	
Name	Relationship to owner
Address	Phone #
City, State, Zip	Fax #

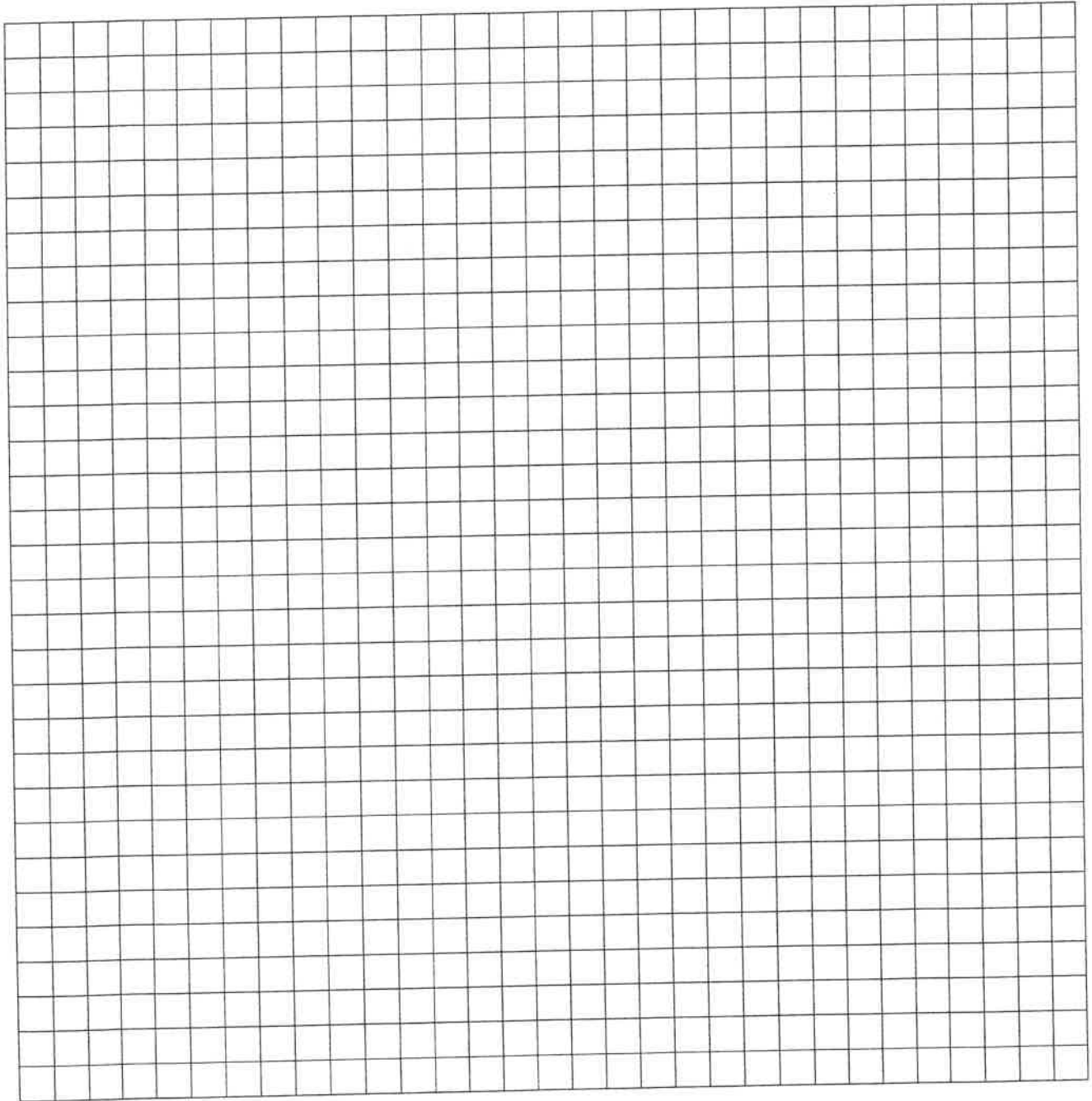
V. PROPOSED WORK			
<i>All Curb/Sidewalk/Apron work within Public Right of Way requires a permit (private walkways do not).</i>			
TYPE	New	Replacement	LENGTH x WIDTH
Driveway	<input type="checkbox"/>	<input type="checkbox"/>	_____ x _____
Sidewalk	<input type="checkbox"/>	<input type="checkbox"/>	_____ x _____
Curb	<input type="checkbox"/>	<input type="checkbox"/>	_____ x _____
Apron	<input type="checkbox"/>	<input type="checkbox"/>	_____ x _____
Indicate proposed work:			
			Total Estimated Cost: \$

Applicant Signature: _____ Date: ____/____/____

VI. PERMIT FEE & REVIEW (fees calculated based on the current fee schedule)			
Permit Fee:	Total Fee:	Zoning Review:	Approved:

CURB/DRIVEWAY/SIDEWALK

**SKETCH OF PROPOSED WORK
MUST SHOW DISTANCE TO PROPERTY LINE**



Applicant agrees that the work will be done as described, in accordance with plan above and minimum specification outlined above, and in compliance with all provisions of the East Norriton Township Zoning Code and other applicable ordinances or requirements of the Township.

EAST NORRITON TOWNSHIP
CONCRETE CURB, DRIVEWAY APRON
AND SIDEWALK CONSTRUCTION REQUIREMENTS

GENERAL CONSTRUCTION REQUIREMENTS

1. ALL CONSTRUCTION/MATERIALS SHALL CONFORM TO THE REQUIREMENTS AS OUTLINED ON THE ATTACHED CONSTRUCTION DETAILS AND/OR AS SPECIFIED HEREIN.
2. WHERE FORMS ARE USED BY THE SUBCONTRACTOR, THEY MUST BE ADEQUATELY CONSTRUCTED AND SUPPORTED TO AVOID ANY BULGING OF AND/OR DEFORMING OF THE CONCRETE. FORMS ARE TO BE COATED WITH CUP GREASE OR AN APPROVED EQUAL, IN ORDER TO FACILITATE REMOVAL.
3. ALL FORMS MUST BE REMOVED BY THE CONTRACTOR AFTER THE CONCRETE HAS SUFFICIENTLY HARDENED. IMMEDIATELY FOLLOWING REMOVAL OF THE FORMS, ALL EXPOSED SURFACES ARE TO BE RUBBED WITH A CARBORUNDUM STONE TO ASSURE THAT ALL SURFACES ARE TRUE AND EVEN, FREE FROM ROUGH OR HONEYCOMBED AREAS, DEPRESSIONS OR PROJECTIONS. BRUSH FINISHING, PLASTERING, OR USE OF WATER TO FACILITATE FINISHING WILL NOT BE PERMITTED.
4. WATER MUST BE REMOVED FROM ALL AREAS WHERE CONCRETE IS TO BE POURED.
5. REINFORCING STEEL USED IN CONCRETE CONSTRUCTION SHALL CONFORM TO ASTM SPECIFICATION A615, GRADE 60.
6. ALL CONCRETE POURS SHALL BE MONOLITHIC, HOWEVER, CURB AND DRIVEWAY APRONS MUST BE CONSTRUCTED INDEPENDENTLY.
7. THE MAXIMUM ALLOWABLE SLUMP FOR ALL CONCRETE SHALL BE 4 INCHES. ALL CONCRETE SHALL BE PLANT MIXED AND AIR ENTRAINED. (5%± AIR ENTRAINMENT)
8. READY MIXED CONCRETE ONLY SHALL BE USED IN THE WORK
9. ALL CONCRETE SHALL BE CURE SEALED. MATERIALS TO BE APPROVED BY THE ENGINEER.
10. ALL CONCRETE CURB, DRIVEWAY APRON AND SIDEWALK REPLACEMENT WORK SHALL BE SUBJECT TO INSPECTIONS BY THE TOWNSHIP.
11. CONCRETE DELIVERY SLIPS WHICH CERTIFY CONCRETE STRENGTH, SLUMP, ETC. SPECIFICATIONS MUST BE SUBMITTED TO THE TOWNSHIP INSPECTOR DURING THE POURING OF THE CONCRETE.

CONCRETE DRIVEWAY APRON AND SIDEWALK REPLACEMENT

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO PERFORM ALL APRON/SIDEWALK REMOVAL, APRON/SIDEWALK REPAIR, AND NEW REPLACEMENT APRON/SIDEWALK CONSTRUCTION INCLUDING RELATED EXCAVATION AND GRADING, AT THE LOCATIONS SPECIFICALLY DESIGNATED BY THE TOWNSHIP.
2. ALL APRON/SIDEWALK AND ASSOCIATED CONSTRUCTION MATERIAL REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. EXCAVATE TO REQUIRED DEPTH, INSTALL STONE SUBBASE PER THE ATTACHED CONSTRUCTION DETAILS, THEN COMPACT THE MATERIALS UPON WHICH THE APRON/SIDEWALK IS TO BE CONSTRUCTED TO A FIRM, EVEN SURFACE.
4. NO APRON/SIDEWALK CAN BE POURED UNTIL THE FORM WORK IS INSPECTED BY THE TOWNSHIP
5. ALL APRON/SIDEWALK REPLACEMENTS SHALL BE PERFORMED USING PROPER FORMS, APPROVED BY THE TOWNSHIP.
6. ALL APRON/SIDEWALK REPLACEMENTS SHALL HAVE A BROOM FINISH.
7. CONTROL JOINTS ARE REQUIRED AT 5 FT. (MAXIMUM) INTERVALS.

8. EXPANSION JOINTS, WHICH INCLUDE A 1/2 INCH PREMOLDED EXPANSION MATERIAL, SHALL BE PROVIDED AT ALL CONNECTIONS TO EXISTING CONCRETE, AS SHOWN ON THE ATTACHED CONSTRUCTION DETAILS, AND AT 20 FOOT (MAXIMUM) INTERVALS FOR MULTIPLE BLOCK REPLACEMENTS.
9. 6" x 6" REINFORCING MESH SHALL BE INSTALLED IN ALL DRIVEWAY APRON REPLACEMENTS AND WITHIN THE 6" THICK DRIVEWAY SIDEWALK AREAS.

CONCRETE CURB REPLACEMENT

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO PERFORM ALL CURB REMOVAL, CURB REALIGNMENT, CURB REPAIR, AND NEW REPLACEMENT CURB CONSTRUCTION INCLUDING RELATED EXCAVATION AND GRADING, AT THE LOCATIONS SPECIFICALLY DESIGNATED BY THE TOWNSHIP.
2. ALL CURB AND ASSOCIATED CONSTRUCTION MATERIALS REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. EXCAVATE TO REQUIRED DEPTH, THEN COMPACT THE MATERIAL UPON WHICH THE CURB IS TO BE CONSTRUCTED TO A FIRM, EVEN SURFACE.
4. ESTABLISHING CORRECT LINE AND GRADE OF CURB CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY, HOWEVER, NO CURBING CAN BE POURED UNTIL THE FORM WORK IS INSPECTED BY THE TOWNSHIP.
5. ALL CURB REPLACEMENTS SHALL BE PERFORMED UTILIZING THE "FULL METAL FORM" METHOD OR "WOODEN FORM" METHOD AS SPECIFIED HEREIN, ALTHOUGH THE FULL METAL FORM METHOD IS THE PREFERRED MEANS OF CURB REPLACEMENT WORK.
6. ALL "FULL METAL FORM" CURB REPLACEMENTS SHALL BE PERFORMED USING PROPER METAL FORMS, FRONT AND BACK EXCEPT ON SHARP CURVES AND SHORT TANGENTS WHERE WOOD FORMS MAY BE USED IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 630.3.
7. ALL "WOODEN FORM" CONCRETE CURB REPLACEMENTS SHALL BE PERFORMED USING PLYWOOD, OR OTHER ACCEPTED MATERIAL, AT LEAST 5/8 INCH THICK, SUITABLE FOR FORM WORK. FOR FINAL EXPOSED CONCRETE SURFACES, USE SMOOTH MATERIAL, FREE OF KNOTS, HOLES, BULGES OR DEPRESSIONS.
8. ALL "WOODEN FORM" CONCRETE CURB REPLACEMENTS SHALL BE CONSTRUCTED IN SUCH A MANNER SO THAT ALL EXPOSED SURFACES MATCH THE CONNECTION CURB, AND ALL BELOW GRADE SURFACES ARE TO BE TRUE AND EVEN, FILLING ALL VOIDS IN THE ROAD SUBBASE.
9. ALL CONCRETE CURB REPLACEMENTS SHALL BE 7" X 8" X 18" IN SIZE, UNLESS OTHERWISE AUTHORIZED BY THE TOWNSHIP, AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, LATEST EDITION, AND AS SHOWN ON THE ATTACHED CONSTRUCTION DETAILS.
10. DESIGNATED MISALIGNED CONCRETE CURB SECTION SHALL BE REALIGNED, RATHER THAN REPLACED, WHERE PERMITTED BY THE TOWNSHIP. THE CURB REALIGNMENT MAY BE HORIZONTAL OR VERTICAL OR BOTH. EXCAVATE AROUND THE CURB SECTIONS AS NECESSARY AND REMOVE CURB SECTIONS. COMPACT THE MATERIAL UPON WHICH THE CURB IS TO BE RESET TO A FIRM, EVEN SURFACE. THE LINE AND GRADE FOR THE RESET CURB SHALL BE ADJUSTED TO MATCH THE ADJOINING CURB SECTIONS. FOLLOWING PROPER PLACEMENT OF THE CURB, BACKFILL THE VOIDS IN FRONT AND BACK OF THE CURB USING ACCEPTABLE BACKFILL MATERIAL. SHOULD ANY CURB SECTIONS BE DAMAGED DURING THE REALIGNMENT OPERATION, THOSE SECTIONS SHALL BE REPAIRED OR REPLACED AS SPECIFIED HEREIN AT THE DIRECTION OF THE TOWNSHIP.
11. ALL MATERIALS AND CONSTRUCTION USED IN THE REPAIR AND/OR REPLACEMENT OF STREET PAVING REQUIRED IN CONJUNCTION WITHOUT CURB REPLACEMENT WORK SHALL CONFORM TO PENNDOT PUBLICATION 408, LATEST EDITION, AND SHALL BE AS SHOWN ON THE ATTACHED CONSTRUCTION DETAILS.
12. CONTROL JOINTS SHALL BE PROVIDED AT 10 FT. INTERVALS.
13. EXPANSION JOINTS, WHICH INCLUDE A 1/2" PREMOLDED EXPANSION MATERIAL, SHALL BE PROVIDED AT ALL CONNECTIONS TO EXISTING CURB AND IN THE CENTER OF ALL DRIVE DEPRESSIONS.
14. REINFORCING RODS SHALL BE PROVIDED AT ALL CURB DEPRESSIONS AND AT ALL CONNECTIONS TO EXISTING STORM SEWER STRUCTURES.

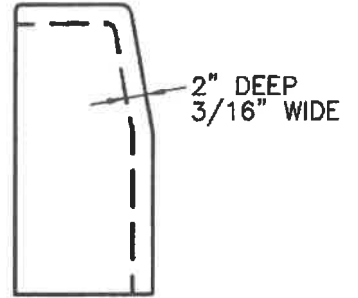
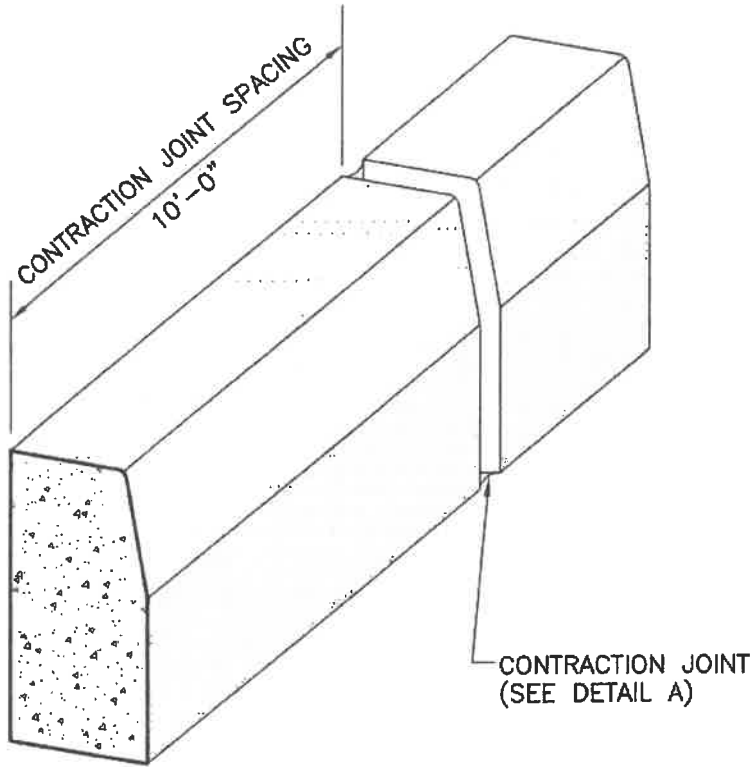
MISCELLANEOUS RESTORATION

1. TOWNSHIP STREETS

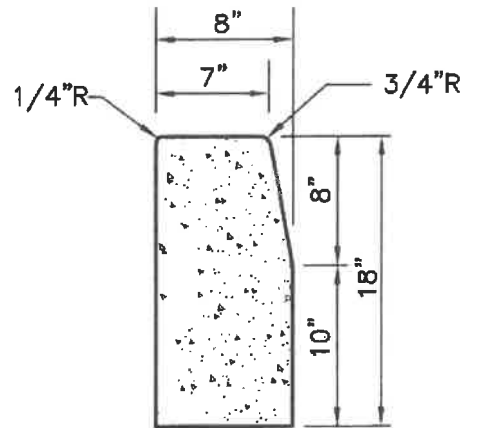
- A. UNLESS OTHERWISE SPECIFIED OR REQUIRED BY THE TOWNSHIP, STREET ROADWAY PAVEMENT SHALL BE CUT TO NEAT LINES TO THE EXTENT SHOWN ON THE ATTACHED CONSTRUCTION DETAILS USING EQUIPMENT SUITABLE FOR SUCH WORK, AND THE EDGES OF THE PAVEMENT SHALL BE PROTECTED AND MAINTAINED BY THE CONTRACTOR UNTIL THE REPAVING IS COMPLETED. ALL STREET ROADWAY AND SHOULDER PLACEMENT SHALL BE CUT BY A MECHANICAL SAW. JACKHAMMERS MAY ALSO BE USED TO CUT TOWNSHIP ROADWAY PAVEMENT UNDER TYPE "A" RESTORATION, BUT ONLY AT LOCATIONS APPROVED BY THE TOWNSHIP.
- B. TOWNSHIP STREET RESTORATION REQUIRED IN CONJUNCTION WITH THE "FULL METAL FORM" METHOD OF CONCRETE CURB REPLACEMENT SHALL BE SUBJECT TO EITHER TYPE "A" RESTORATION OR TYPE "B" RESTORATION, BASED UPON THE CONDITION/STATUS OF THE EXISTING ABUTTING ROADWAY SURFACE. A DETERMINATION OF TYPE "A" OR TYPE "B" RESTORATION REQUIREMENTS WILL BE MADE AT THE TIME OF HIGHWAY OCCUPANCY PERMIT ISSUANCE BY THE TOWNSHIP.
- C. AT JOINTS BETWEEN EXISTING PAVEMENTS AND REPAVING WORK, WHERE SHOWN ON THE ATTACHED CONSTRUCTION DETAILS, THE EDGES OF EXISTING PAVEMENT SHALL BE CUT BACK PARALLEL WITH THE TRENCH OR EXCAVATION AND AT RIGHT ANGLES, NEATLY TRIMMED AND AS APPROVED BY THE TOWNSHIP. AN APPLICATION OF CLASS AC-20 ASPHALT CEMENT SHALL BE PROVIDED AT 25 MM ALL LOCATIONS WHERE NEW BITUMINOUS PAVEMENT JOINS EXISTING BITUMINOUS PAVEMENT.
- D. THE REPLACEMENT PAVEMENT TO BE PROVIDED ON TOWNSHIP STREETS SUBJECT TO TYPE "A" RESTORATION REQUIREMENTS SHALL CONSIST OF A 2A STONE BASE COURSE AND A 19 MM BITUMINOUS CONCRETE BINDER COURSE. THE 2A BASE COURSE SHALL EXTEND TO THE BOTTOM OF THE ADJACENT CURB. THE BINDER COURSE SHALL BE 3 INCHES THICK.
- E. THE REPLACEMENT PAVEMENT TO BE PROVIDED ON TOWNSHIP STREETS SUBJECT TO TYPE "B" RESTORATION REQUIREMENTS SHALL CONSIST OF A 2A STONE BASE COURSE AND A 19 MM BITUMINOUS CONCRETE BINDER AND 9.5 MM WEARING COURSES. THE 2A BASE COURSE SHALL EXTEND TO THE BOTTOM OF THE ADJACENT CURB. THE BINDER COURSE SHALL BE 3 INCHES THICK. THE WEARING COURSE SHALL BE 2 INCHES THICK. ALL WEARING COURSE JOINTS SHALL BE SEALED USING CLASS AS-20 ASPHALT CEMENT ON COMPLETION TO THE TYPE "B" PAVING RESTORATION.
- F. WHERE THE "WOODEN FORM" METHOD OF CONCRETE CURB REPLACEMENT IS IMPLEMENTED, OR REALIGNMENT OF CURBING SECTION IS PERMITTED BY THE TOWNSHIP, THE ROADWAY PAVEMENT SHALL BE REMOVED AS NECESSARY TO PERMIT THE WORK. ALL SECTIONS OF ROADWAY DAMAGED DURING CURB REMOVAL OR REPLACEMENT, AS DETERMINED BY THE TOWNSHIP, ARE TO BE REMOVED, TO A DEPTH OF NOT LESS THAN 1-1/2 INCHES, REPAVED WITH 9.5 MM WEARING SURFACE MATERIAL AND SEALED WITH AN APPLICATION OF AC-20 ASPHALT CEMENT. AN APPLICATION OF AC-20 ASPHALT CEMENT WILL BE REQUIRED IN ALL AREAS. ADDITIONALLY, IN LOCATIONS WHERE THE REMOVAL OF EXISTING CONCRETE CURB HAS SEVERALLY UNDERMINED THE ABUTTING ROADWAY SURFACE AS DETERMINED BY THE TOWNSHIP, THE ROADWAY SHALL BE EXCAVATED AND RESTORED IN ACCORDANCE WITH TYPE "A" OR TYPE "B" RESTORATION REQUIREMENTS, AS DIRECTED BY THE TOWNSHIP.

2. AREAS OTHER THAN TOWNSHIP STREETS

- A. ALL ADJACENT AREAS DISTURBED AS A RESULT OF THE CONCRETE CURB, DRIVEWAY APRON AND SIDEWALK CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR, UNLESS OTHERWISE INDICATED ON THE ATTACHED CONSTRUCTION DETAILS.

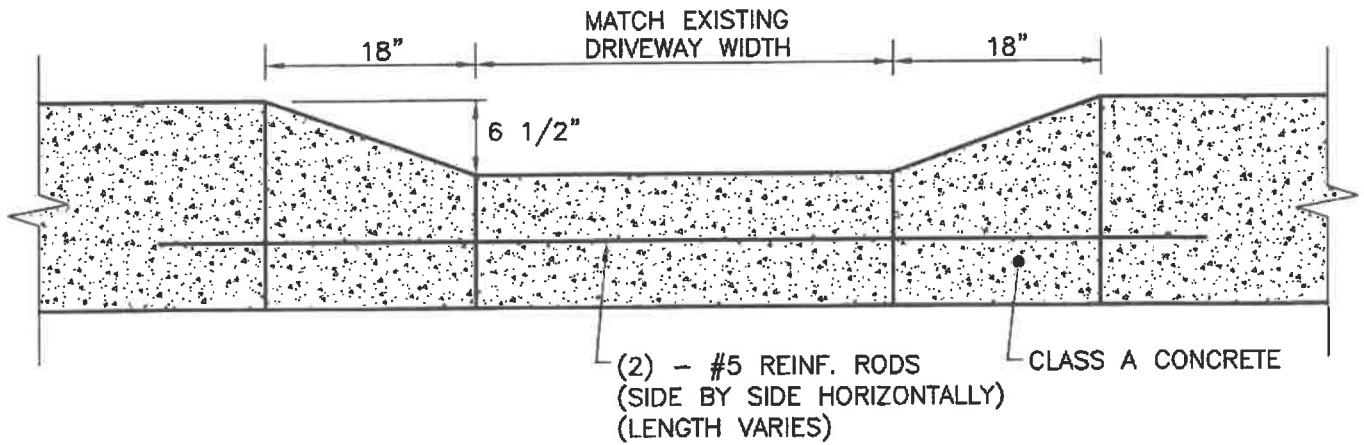


DETAIL A - CONTRACTION JOINT

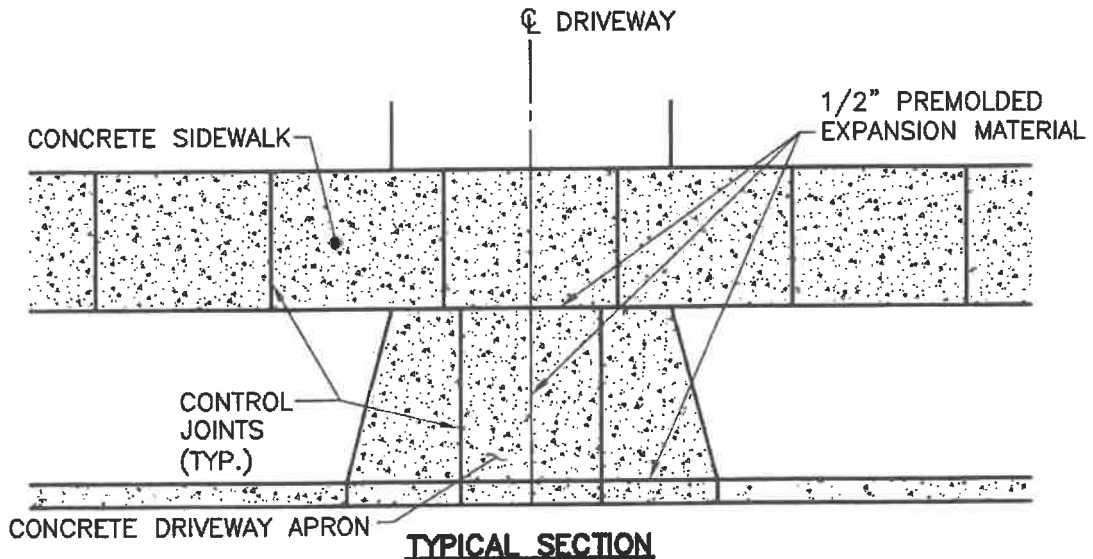
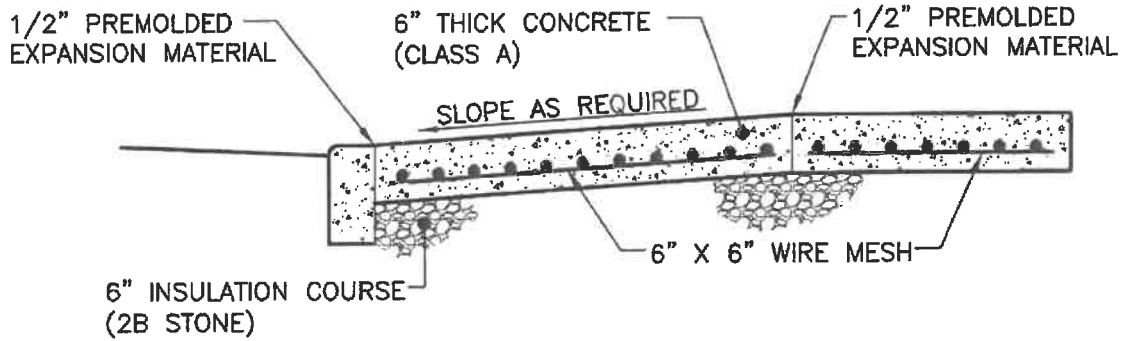
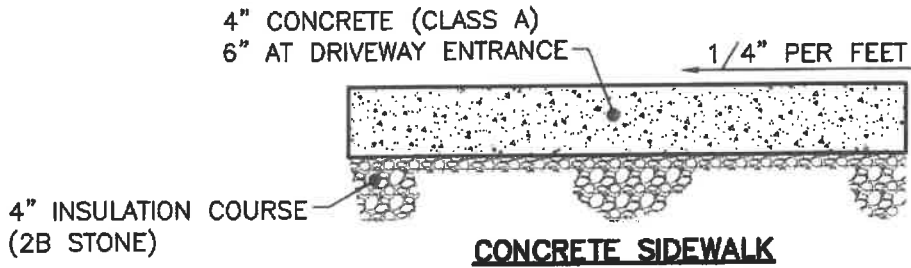


TYPICAL CROSS SECTION

PLAIN CEMENT CONCRETE CURB DETAIL
NOT TO SCALE

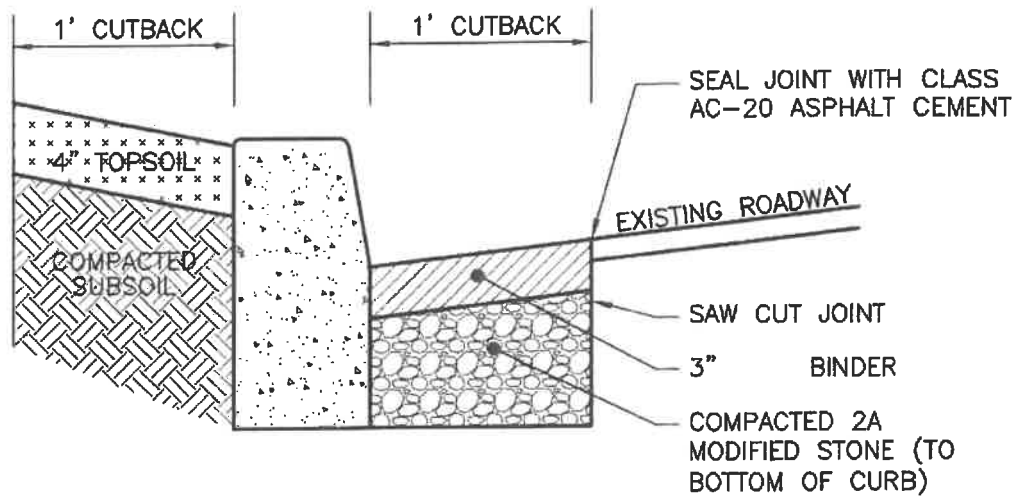


PLAIN CEMENT CONCRETE CURB DETAIL
NOT TO SCALE



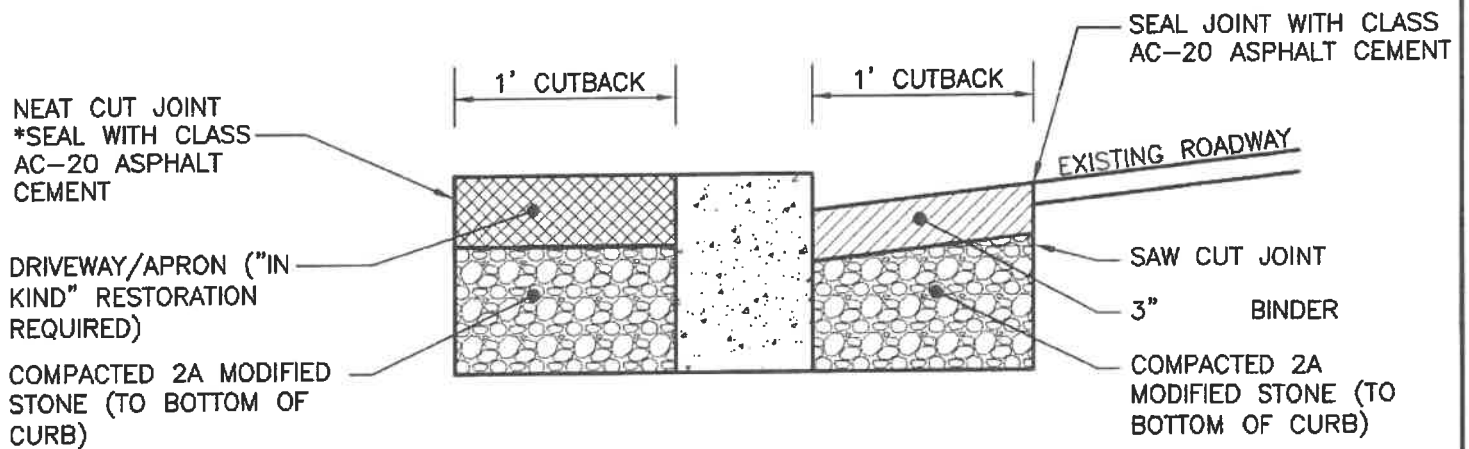
CONCRETE SIDEWALK AND APRON AT DRIVEWAYS

NOT TO SCALE



CONCRETE CURB RESTORATION – YARD AREA

NOT TO SCALE

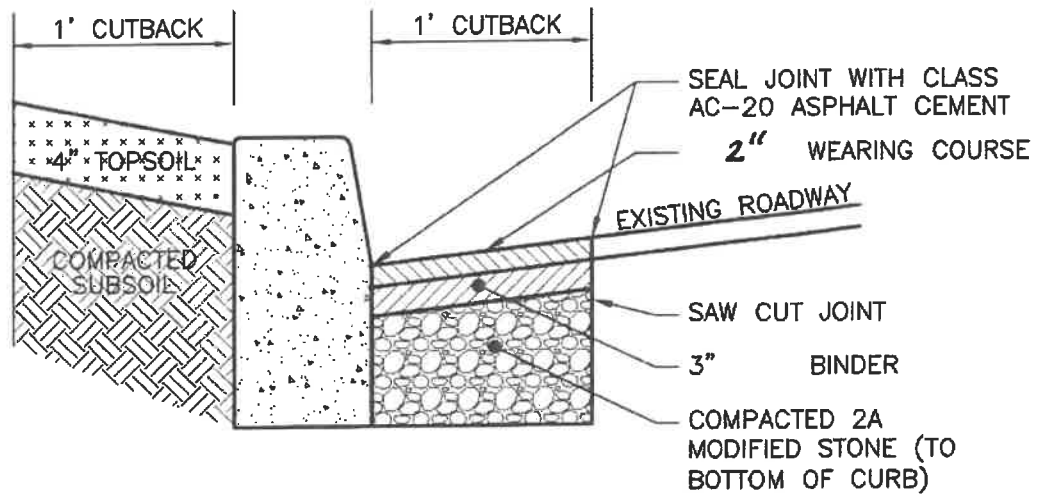


CONCRETE CURB RESTORATION – DRIVEWAY DEPRESSION

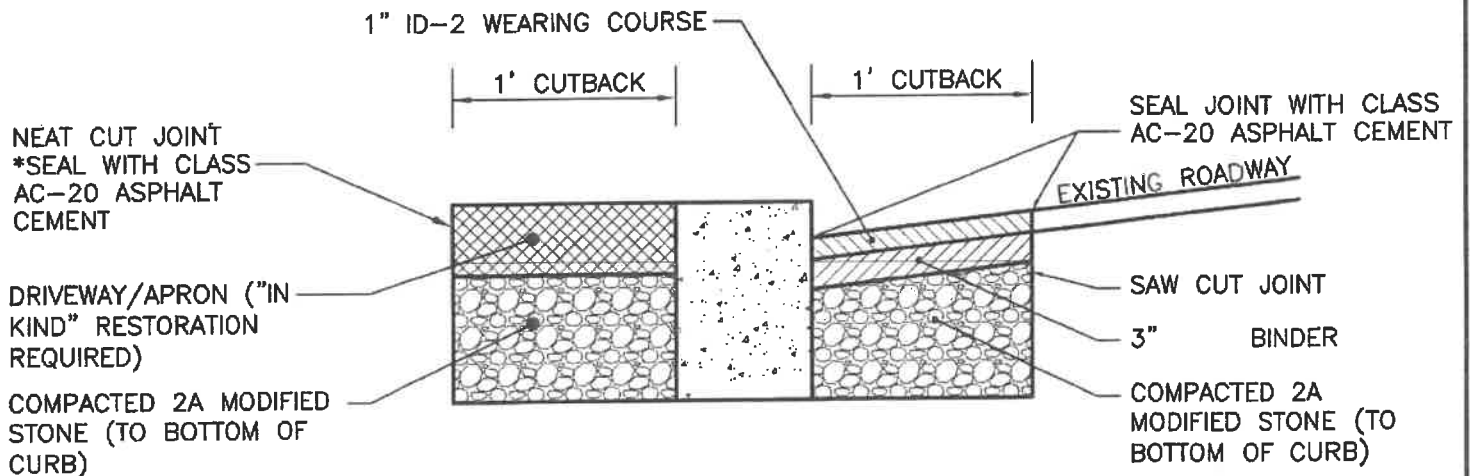
NOT TO SCALE

*BITUMINOUS PAVEMENT
DRIVEWAY/APRON

TYPE "A" RESTORATION



CONCRETE CURB RESTORATION – YARD AREA
NOT TO SCALE

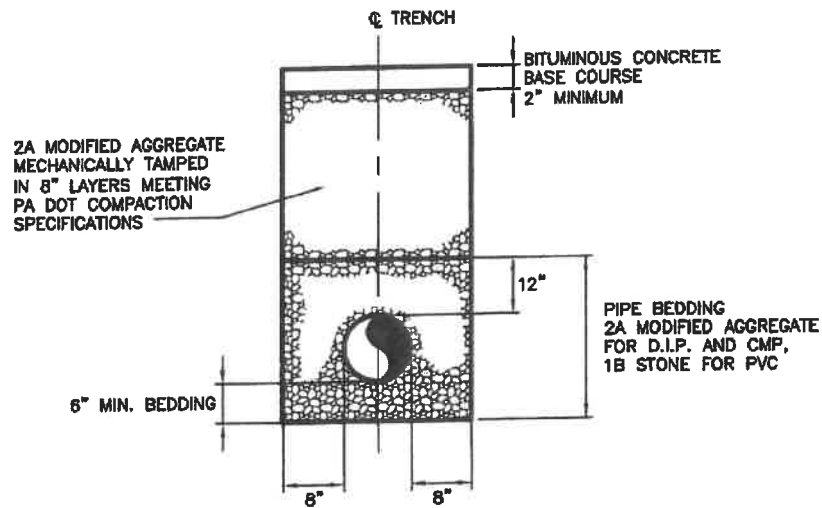


CONCRETE CURB RESTORATION – DRIVEWAY DEPRESSION
NOT TO SCALE

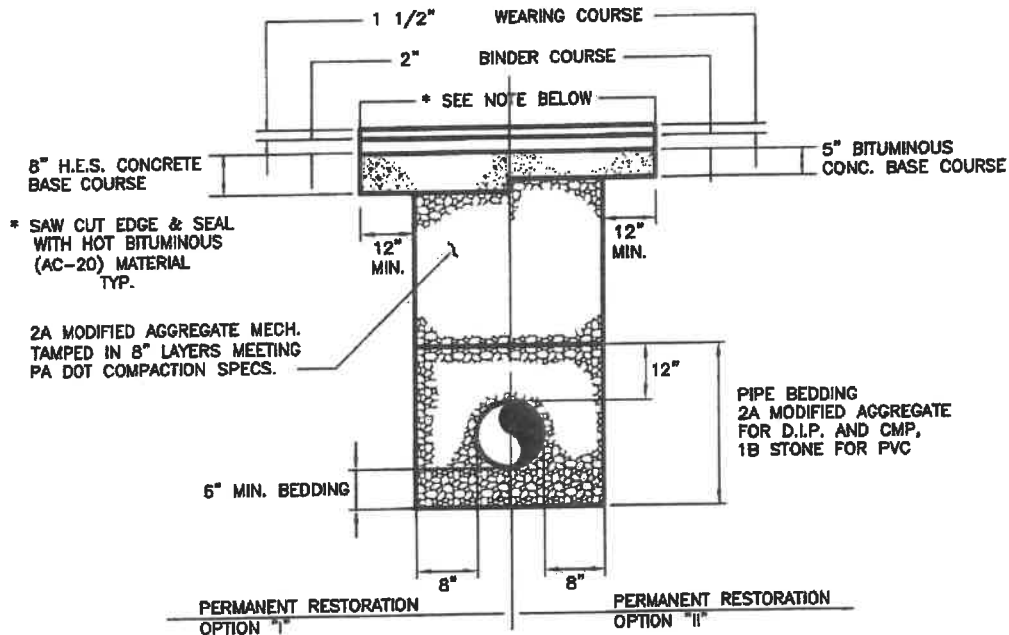
*BITUMINOUS PAVEMENT
DRIVEWAY/APRON

TYPE "B" RESTORATION

UTILITY TRENCH RESTORATION REQUIREMENTS FOR TOWNSHIP ROADS



DETAIL "A" - TEMPORARY TRENCH RESTORATION FOR TOWNSHIP ROADS
N.T.S.



DETAIL "B" PERMANENT TRENCH RESTORATION FOR TOWNSHIP ROADS
N.T.S.

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT ALL UTILITIES OR PRIVATE CONCERNS IN COMPLIANCE WITH THE REQUIREMENTS OF P.L. 852, NO. 287, DECEMBER 10, 1974 AS AMENDED ON DECEMBER 12, 1986, P.L. 1574, NO. 172, 72 HOURS PRIOR TO ANY EXCAVATION BY CALLING 800-242-1776.
2. UTILITY TRENCHES WITHIN STATE OR COUNTY ROADWAYS SHALL BE RESTORED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE GOVERNING AGENCY.
3. THE CONTRACTOR SHALL CONTACT THE TOWNSHIP ENGINEER (215-486-5770) A MINIMUM OF 48 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED WITHIN THE ROADWAY RIGHT-OF-WAY.
4. INITIAL (TEMPORARY) TRENCH RESTORATION SHALL BE PERFORMED IN ACCORDANCE WITH DETAIL "A". FINAL (PERMANENT) TRENCH RESTORATION SHALL BE PERFORMED IN ACCORDANCE WITH DETAIL "B" SUBSEQUENT TO TEMPORARY TRENCH RESTORATION.
5. ALL STREET ROADWAY PAVEMENT SHALL BE CUT BY A MECHANICAL SAW OR PAVING CUTTER.
6. ANY ITEMS (I.E. CURB, PAVED SURFACES OUTSIDE THE LIMIT OF WORK, ETC.) DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE TOWNSHIP.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TEMPORARY PAVEMENT UNTIL IT IS REPLACED WITH PERMANENT PAVEMENT.
8. BITUMINOUS MATERIAL FOR BASE AND SURFACE COURSES OF PERMANENT PAVEMENT REPLACEMENT SHALL NOT BE PLACED WHEN THE AIR TEMPERATURE IS 45°F OR LOWER, NOR WHEN THE TEMPERATURE OF THE PAVEMENT, BASE OR BINDER ON WHICH IT IS TO BE PLACED IS 45°F OR LOWER, AS DETERMINED BY THE TOWNSHIP ENGINEER.