



BENSALEM TOWNSHIP

Building and Planning Department
2400 Byberry Road Bensalem, PA 19020
215-633-3644 • Fax 215-633-3753

STREET OPENING ROAD RESTORATION REQUIREMENTS

May 4, 1998

1. Disturbed portions of the highway, including but not limited to, slopes and appurtenances and structures such as guide rails, curbs, signs, markings, drain pipes, driveways and vegetations, shall be restored by the permittee to a condition at least equal to that which existed before the start of work authorized by the permit. Additional restoration may also be required upon written notification, to restore the structural integrity of the pavement or shoulder.
2. If the permittee opens pavement having a bituminous concrete surface and the Township's wearing course is less than five (5) years old, the permittee shall, in addition to the restoration conditions outlined in the permit and in this section, be required to overlay the pavement in accordance with the following conditions"
 - When a longitudinal opening longer than 100 linear feet has been made in the pavement, the permittee shall overlay the traffic lanes in which the openings were made, for the entire length of highway between the openings in a manner authorized by the Engineering Department.
 - When two or more transverse openings have been made within 100 linear feet of pavement, the permittee shall overlay traffic lanes in which the openings were made, for the entire length of highway between the openings, in a manner authorized by the Township.
 - When 4 or more emergency openings have been made by the same permittee within 100 linear feet of pavement, the permittee shall overlay traffic lanes in which the openings were made, for the entire length of highway between the openings, in a manner authorized by the Township.
 - If disturbed lanes adjacent to undisturbed lanes are overlaid, the edge of the disturbed lane shall be saw cut or milled to a depth of 1 ½ inch or the depth of the existing surface course, whichever is less, for the length of the opening to insure a smooth joint with proper elevation and cross section. A full width overlay may be authorized on various highways instead of saw cutting or milling the disturbed lane.
 - If disturbed lanes adjacent to shoulders are overlaid, the shoulder shall be raised with material and in a manner authorized by the Township for the type of existing shoulder so that the overlaid pavement and shoulder edges are at the same elevation.
3. Regardless of the age of the wearing course:
 - If more than 100 linear feet of longitudinal or transverse openings, or both, are made in the pavement the Township may require the permittee to overlay traffic lanes in which the openings were made for the entire length of highway that was opened, if the Township Engineer determines that the rideability or structural integrity of the pavement has been impaired by the opening.
 - If four or more openings are made by the same permittee within 100 linear feet of pavement, the Township may require the permittee to restore the entire disturbed pavement between the openings by milling, planing or other authorized method and overlaying the entire disturbed pavement.
4. Aggregate used in a bituminous overlay wearing course shall comply with skid resistance lever (SRL) criteria specified in PA DOT Design Manual, Part 2, Chapter 11.
5. If an opening is made in a bituminous concrete pavement within 3 feet from the edge of the pavement or other longitudinal joint or opening, the surface restoration shall be extended to the edge of pavement or other longitudinal joint or opening.
6. At each end of overlay, the permittee shall install a paving notch by milling, planing or other authorized method and provide a minimum of 10 foot transition.

7. The transition areas at each end of an overlay shall follow the contour of the surrounding surface.
8. When pavement markings on more than 100 linear feet of highway are covered or destroyed by the permitted work, including overlays, they shall be replaced with temporary pavement markings before opening the disturbed pavement to traffic.

When the pavement surface is restored, pavement markings that were covered or destroyed shall be replaced in their former location.

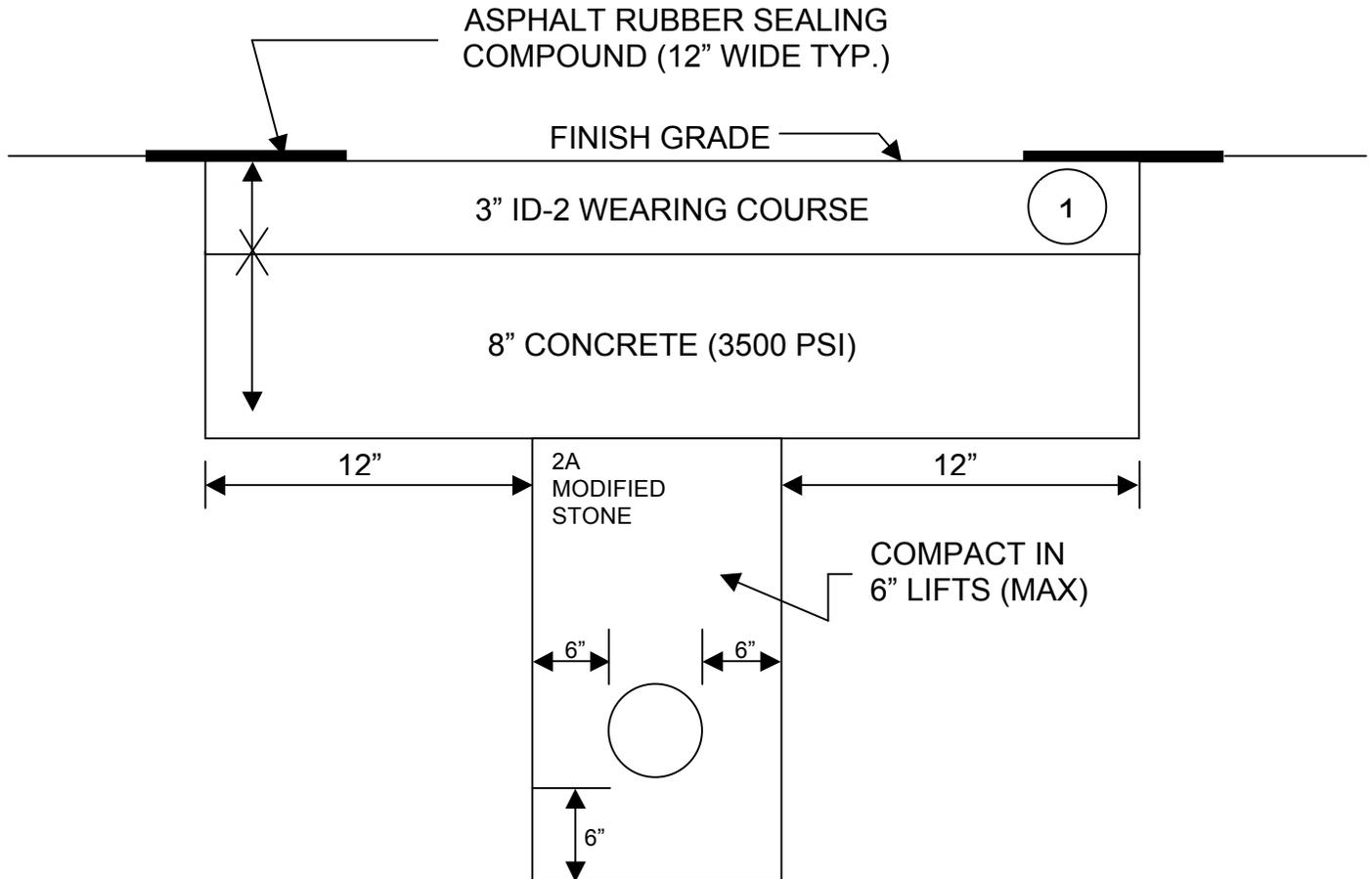
9. Restored openings in the pavement or paved shoulder shall be sealed under Section 401(j)(3) of PA DOT Publication 409 in the cases of bituminous concrete or Section 501.3(n) of Publication 408 in the case of cement concrete.



BENSALEM TOWNSHIP

Building and Planning Department
2400 Byberry Road Bensalem, PA 19020
215-633-3644 • Fax 215-633-3753

STREET OPENING ROAD RESTORATION REQUIREMENTS



TYPICAL TRENCH RESTORATION IN PAVED CARTWAY N.T.S.

1. Certain conditions may require overlay of travel line or entire street width. See Bensalem Township Road Restoration requirements.
2. Trench work must be completed at 3:30 p.m. Trench area must be secured and road reopened by 5:00 p.m. If roadway is not secure by 5:00 p.m. contractors will incur additional consulting fees based on an hourly basis.
3. Final restoration on openings for new construction shall be completed prior to occupancy. The restoration must be completed within 30 days. Failure to comply will result in a \$1500 escrow in addition to any other escrow previously required.

ALL WORK TO BE DONE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS
PUBLICATION 408 AS AMENDED