

Borough of Chatham

BOROUGH HALL
54 FAIRMOUNT AVENUE
CHATHAM, NEW JERSEY 07928

Tel: 973-635-0674 • ChathamBorough.org

Department of Public Works
Tony Torello, Director

ROAD OPENING PERMIT APPLICATION

PURPOSE FOR ROAD OPENING: Sewer Water Electric Gas

APPLICANT INFORMATION:

APPLICANT: _____

ADDRESS: _____

EMAIL ADDRESS: _____

DAY PHONE #: _____ NIGHT/EMERGENCY PHONE #: _____

DATE(S) AND LOCATION OF ROAD OPENING WORK:

ESTIMATED DATE(S) OF ROAD OPENING WORK: _____

STREET/CROSS STREET: _____

DIMENSION OF ROAD OPENING: Length: _____ Width: _____ Depth: _____

CONTRACTOR'S INFORMATION:

CONTRACTOR: _____

ADDRESS: _____

EMAIL ADDRESS: _____

DAY PHONE #: _____ NIGHT/EMERGENCY PHONE #: _____

A fee in the amount of \$3.00/sq. ft. of road opening (\$75.00 minimum fee) is to be paid by the Applicant to ensure the restoration of the road surface to original or better condition. The Applicant is responsible for the opening and restoration of the road surface in accordance with the attached Road Opening Permit Specifications.

The Applicant must provide 48-hour notification to the Public Works Director at 973-635-5242 and the Police Department at 973-635-8000 before any road opening work is undertaken.

X _____
Applicant's Signature

Date _____

FOR OFFICE USE ONLY

Borough Clerk

Police Department

Public Works Department

Date: _____

Fee Paid: _____

Backfill Inspection Date: _____

Final Inspection Date: _____

BOROUGH OF CHATHAM
OFFICE OF BOROUGH ENGINEER
PUBLIC WORKS DEPARTMENT
ROAD OPENING PERMIT

SPECIFICATIONS

The applicant agrees to comply with all the rules and regulations of the Borough of Chatham, and with these specifications, and the acceptance of the permit by the applicant shall be deemed an agreement by the applicant, to abide by all the conditions as herein set forth and/or as stipulated in the permit:

The use of the word Borough Engineer shall refer to the individual appointed to that position by the governing body of the Borough of Chatham, or to the individual authorized to act on behalf of the Borough Engineer.

GENERAL

Except in an emergency situation no work shall begin before 8:00 a.m. Mondays through Saturdays, 9:00 a.m. on Sundays, and shall cease by 10:00 p.m. daily.

Traffic control is the responsibility of the contractor.

All road openings shall be backfilled in accordance with these specifications. Road openings open longer than one working day shall be plated and barricaded at the end of each work day. No road opening shall be left unprotected.

In general, manholes, valve boxes, and similar structures shall be located outside of the traffic lanes, (both present and future). When this is not possible, the frames and covers for same shall be set 1/4 inch below the finished pavement surface and when located in the shoulder area, 1 inch below the shoulder surface, however when pedestrian traffic is a consideration, they shall be set absolutely flush with the pavement or shoulder.

Under no condition shall any installation be made through any storm sewer, catch basin, culvert or bridge.

Stream crossings shall be at a distance from the centerline of the road to be determined by the Borough Engineer in each instance. Encroachment application shall be secured from the New Jersey Department of Environmental Protection Division of Water Policy and Supply by the applicant.

Curbs, gutters, French drains, catch basins, pipes or any other roadway installations that are removed, damaged or destroyed by the applicant or by the applicants agents shall be replaced at the expense of the applicant, using new material.

The use of any bucket with teeth in removing dirt deposited on the pavement is forbidden.

PAVEMENT OPENINGS

Prior to construction the contractor shall obtain a road opening permit from the Borough of Chatham. The Borough Engineer will estimate the amount of cash or certified check to be posted by the Contractor.

(A) Flexible Pavements

After the width of trench has been determined, the outlines shall be marked on the pavement. A pavement cutter shall then be used to cut through the pavement before the trench digging machinery shall operate. In so far as they may apply, the general specifications for shoulder openings and for trench backfilling shall control the excavation and backfill of pavement openings.

After the utility has been installed, the pavement shall be recut 6 inches outside of the trench outline on each side, or to the width where all damaged pavement is removed.

Permanent pavement over the trenches shall consist of 2 1/2 inches of bituminous stabilized base course and 1 1/2 inches of F.A.B.C. top. If temporary pavement is required, then 1 1/2 inches of FABC-1 shall be used for this purpose.

(B) Rigid Pavements

(Concrete Pavement and Concrete Base with Bituminous Concrete Surface and Soil Cement Pavement or Base).

1. Transverse Construction: Concrete Pavements and Soil Cement Pavements

The initial cut must be made on a straight line with a pavement cutter. All cuts are to be made at an angle at between 45 and 80 degrees with the center line of the road, unless the applicant has obtained prior approval from the Borough Engineer to do otherwise. In removing the concrete, the reinforcing rods shall be severed at the middle points and bent back for re-use in making the final repair. Trench excavation, backfill and temporary repairs shall be made in the same manner as prescribed for flexible pavements.

2. That when a road opening is made in a pavement and/or shoulder, all restoration work shall be guaranteed against all failures which are the result of defective material and/or poor workmanship furnished by the applicant, for a period of five (5) years after the date a final pavement and/or shoulder patch is made.

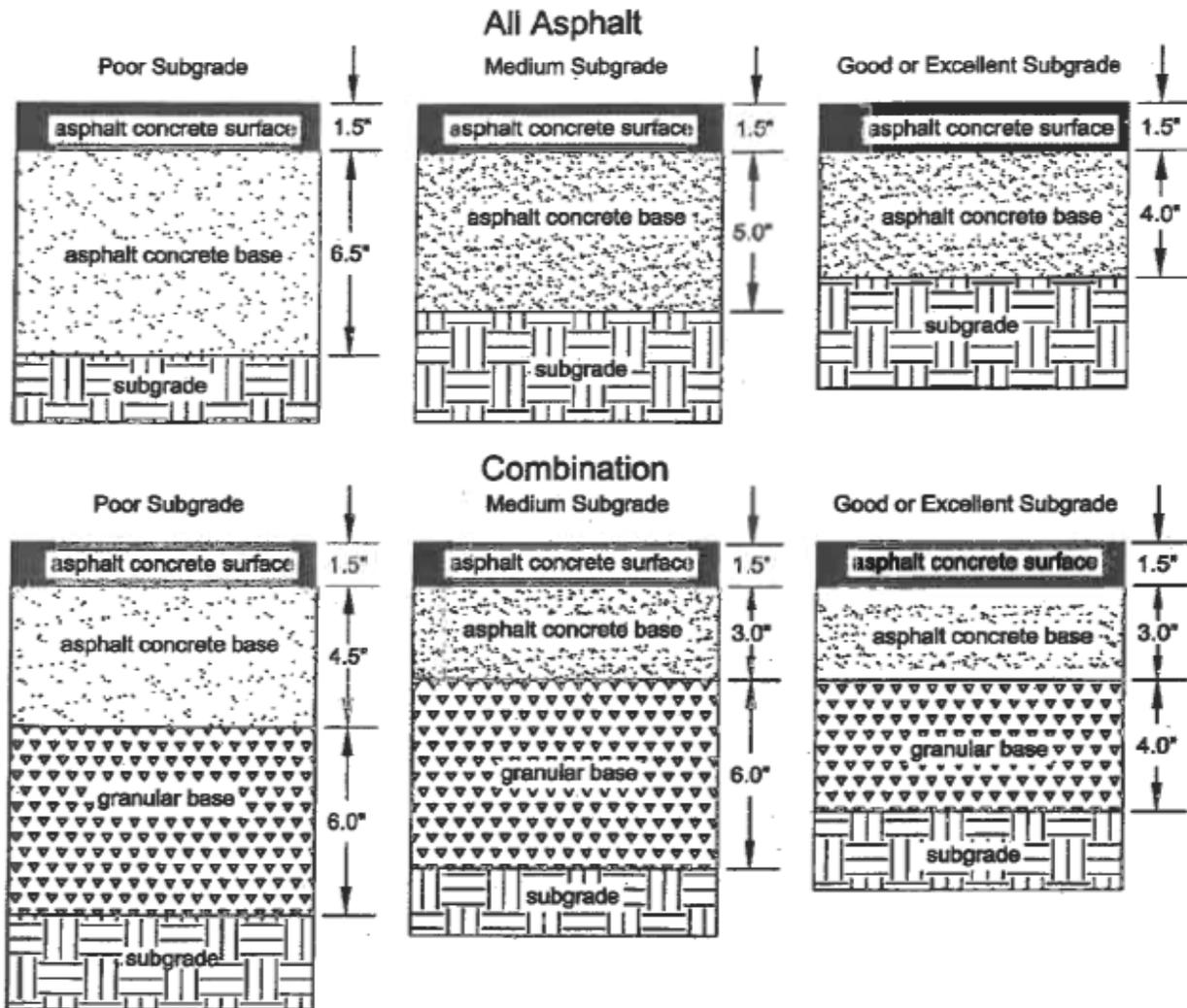
3. That when a road opening is made outside of the pavement and shoulder area, all restoration work shall be guaranteed against all failures which are the result of defective material and/or poor workmanship furnished by the applicant, for a period of three (3) years after said restoration work is completed.

4. That if, in the judgment of the Borough Engineer, any corrective work must be done during the specific guarantee period due to defects and/or failures, which are the result of defective materials and/or poor workmanship furnished by the applicant, the applicant shall, upon receipt of notice from the Borough Engineer, complete such corrective work within such time as may be specified by the Borough Engineer. Failure by the applicant to comply with such request shall be cause for the Borough of Chatham to petition the applicant's surety to take action satisfactory to the Borough Engineer and Borough of Chatham

Failure of the applicant to do the corrective work shall also be cause for the Borough of Chatham to withhold approval on any pending and/or future applications by said applicant or principals of said applicant until the corrective work has been completed to the satisfaction of the Borough Engineer.

The decision of the Borough Engineer shall be final on any and all work performed under the permit.

Figure 4.3
 Pavement Sections for Residential Access and Neighborhood Streets
 (ADT \leq 1,500)(EAL \leq 80,000)



Source: N.J.S.M.E., *Asphalt Handbook for County and Municipal Engineers*, 3rd Edition, March 2000. The figures were derived by applying the Asphalt Institute's *Thickness Design - Full Depth Asphalt Pavement Structures for Highways and Streets*.

NOTES:

1. Materials for the asphalt concrete surface shall conform to Section 404.02 or 406.02 of the New Jersey Department of Transportation's *Standard Specifications for Road and Bridge Construction*.
2. Materials for the asphalt concrete base shall conform to Sections 301.02 and 304.02 or 406.02 of the N.J. Department of Transportation's *Standard Specifications for Road and Bridge Construction*.
3. Thicknesses may have to be constructed in multiple lifts, based on equipment capabilities.
4. The granular base shall be dense graded aggregate conforming to Section 901.08 or soil aggregate designated I-5 conforming to Section 901.09 and shown in Table 901-2 of the N.J. Department of Transportation's *Standard Specifications for Road and Bridge Construction*.
5. All subgrades shall be considered "poor," unless the applicant proves otherwise through CBR testing or field evaluation of soil classification. Test results shall be reviewed by the municipal engineer.
6. Subgrade compaction shall be approved by the municipal engineer.
7. Drawings are based on the following design assumptions: A 20-year design period with staged construction is used. Base courses are designed to withstand the construction traffic anticipated during a 3-year construction period and have a residual life of 17 years at the end of the 3-year period. The entire pavement section, base course plus finish course, is designed to withstand the traffic loading for the remaining 17 years of the 20-year design period.