

Township of Chatham
Morris County, New Jersey
Office of the Township Engineer
Application for Road Opening Permit

Name of Applicant: _____
Applicant Address: _____
Email: _____
Phone: _____ Cell: _____

Name of Owner: _____
Owner Address: _____
Email: _____
Phone: _____ Cell: _____

Road to be opened: _____
Block: _____ Lot: _____ (if applicable)
Approx. Address: _____

If the road opening is for utility installation, please check the appropriate line below:

Main Extension: _____ Other (Service Connection, _____
Valve/Meter/Hydrant, Etc.) _____

Purpose of Excavation:

Work will be started on: _____ Completed on: _____

Permit Fees

Check the following that apply.

A. Application Fee

 X \$100 Base fee for the application
Total Application Fee: \$100

B. Hardship Waiver Additional Road Opening Fee (combine on single check with Application Fee if required)

If a hardship waiver is obtained, an additional fee will be required for a road opening permit if the road was paved within five (5) years.

_____ \$1,000 if the road was paved within the last two (2) years
_____ \$750 if the road was paved three (3) to four (4) years ago
_____ \$500 if the road was paved five (5) years ago
Total Hardship Fee: _____

C. Escrow Deposit (Provide separate check)

Final escrow costs to be determined based on required site inspections.

- _____ \$300 For all openings up to 50 linear feet
- _____ \$500 For all openings from 50 to 100 linear feet
- _____ \$1,000 For all openings over 100 linear feet
- _____ For all openings over 200 linear feet, consult the Township Engineer

Total Escrow Fee: _____

D. Restoration Deposit (Provide cash, check, surety bond or letter of credit)

The restoration deposit is used to guarantee proper restoration, replacement, or repair of property damaged or destroyed by the permittee. Estimate the areas of the following that will be disturbed during the road opening process, rounding **up** to the nearest foot.

	Length	Width	Amount Disturbed	Unit Price	Price
Lawn Areas	_____ FT	_____ FT	_____ 0 SY	\$10 /SY	\$0
Shoulder Areas	_____ FT	_____ FT	_____ 0 SY	\$20 /SY	\$0
Paved Roads	_____ FT	_____ FT	_____ 0 SY	\$30 /SY	\$0
Sidewalks	_____ FT	_____ FT	_____ 0 SY	\$60 /SY	\$0
Curbing	_____ FT		_____ 0 LF	\$25 /LF	\$0
Dirt/Gravel Roads	_____ FT	_____ FT	_____ 0 SY	\$15 /SY	\$0

Total Deposit: _____

Location of Opening

Sketch details below or submit two (2) sets of engineering plans. Sketch or plans must be drawn to scale.

Indicate curb, shoulder, sidewalk, property line, proposed dimensions, and restoration details. All temporary stockpile areas and equipment storage areas must be identified.

_____ I have provided a copy of a certificate of insurance.

_____ I hereby certify that I am aware and will comply with all the terms, regulations, and conditions stated in the revised General Ordinances of the Township of Chatham, titled "Chapter XIX Streets and Sidewalks".

A copy of this permit and the supporting plan shall be available on the project at all times.

Signature of Applicant _____

Company _____

Address _____

Phone _____

Approved _____

(Township Engineer) _____

Date _____

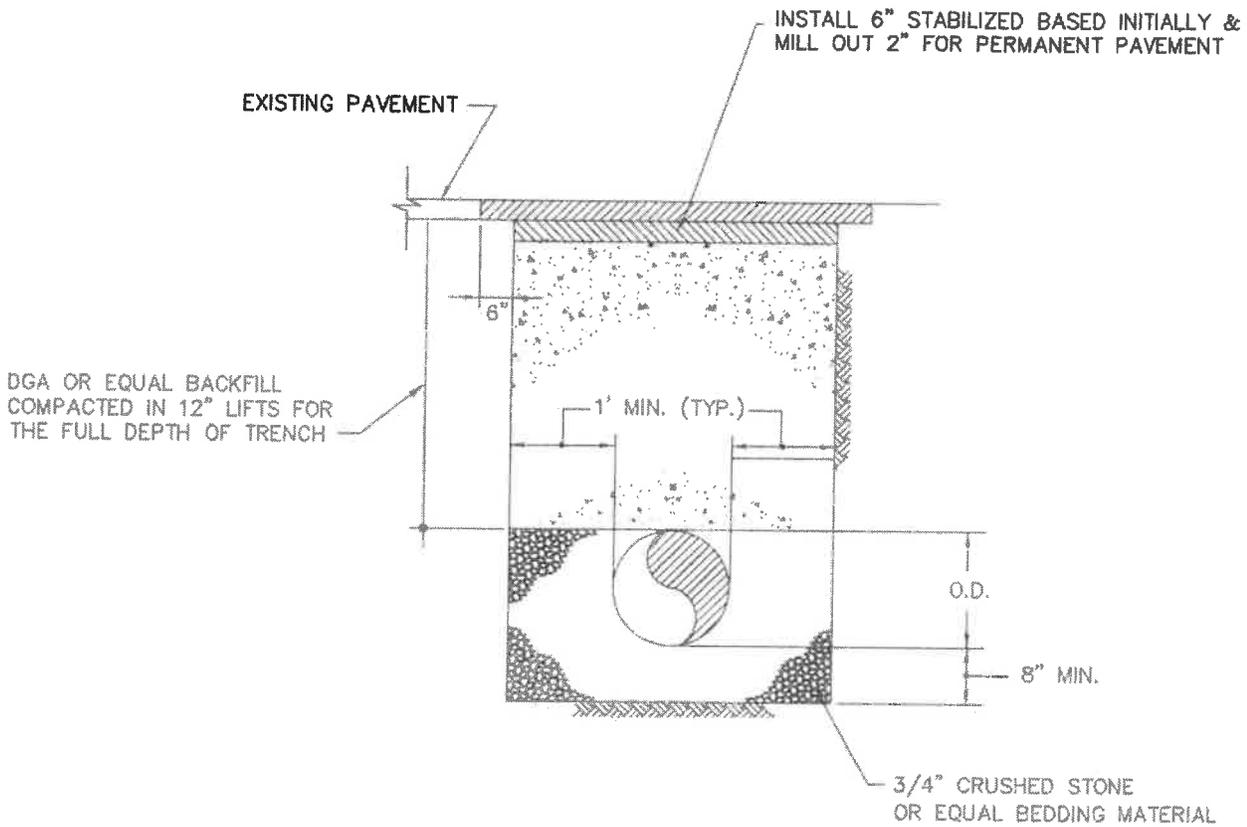
**TOWNSHIP OF CHATHAM
SPECIFICATIONS GOVERNING ROAD OPENINGS**

1. It shall be unlawful for any person, firm, corporation or municipality to make any excavation in or tear up the surface of any road or street in the Township, for any purpose whatsoever; without a written permit first had and obtained from the Township Engineer as hereinafter provided.
2. An application must be made in writing by the firm, corporation, person or municipality for a permit for an excavation on any road within the Township. Said application is to state the purpose of such excavation, namely: sewer, water, gas, telephone or for any purpose not specified herein. Permission to make excavation or tear up surface of road does not carry any right to make sewer, water or gas connections. A separate permit to make gas, water, or sewer connection must be obtained from the proper officials and agencies.
3. Street openings within the paved or improved surface of any road, street or right-of-way shall be restricted between November 1 and April 20, except that the Township Engineer or Consulting Engineer, after consultation with the Public Works Director, shall have the authority to waive these requirements in instances where he/she determines that suitable weather conditions exist.
4. It shall be the duty of the permittee to properly guard any excavation and storage piles by erecting suitable barriers during the day and lights during the night, or warning signs and by providing a watchman if deemed necessary by the Police and/or Public Works Director, or his designee, and/or the Township Engineer. All traffic control devices used on road or street construction or maintenance work shall conform to Chapter IV, Work Zone, of the Manual on Uniform Traffic Control Devices (MUTCD). The permittee shall be liable for any neglect in safeguarding the traveling public. If the excavation extends the full width of the road, only one half (1/2) of the excavation shall be made at one time, which shall be backfilled before other half is excavated, so as not to interfere with traffic.
5. The plan for proposed interruptions or detouring of traffic shall be submitted to the Police Department for approval. Contractor shall notify the Municipal Clerk, Police Department, Fire Department, Emergency Medical Services and transportation coordinator of all Boards of Education serving the project area of approved traffic detour plans at least forty-eight (48) hours prior to their implementation. Interference with pedestrian or vehicular traffic shall be reduced to a minimum and no greater part of the roadway shall be opened at any time than that approved by the engineer. Transverse openings shall be restricted so that no more of the half of the traveled way will be obstructed at any time. Work shall be scheduled and executed to present a minimum of inconvenience to the public. Where feasible, transverse subsurface installations shall be made by the boring or jacking method. Steel plated are to be used as a protection on openings maintained overnight in the traveled way.
6. After any opening is made the work shall be energetically prosecuted and final restoration of disturbed surfaces shall be completed as soon as condition permit. If the work has not been completed before the expiration date of the permit and the permittee fails to request an extension of time, the engineer may, if he considers it advisable, take the necessary steps to backfill and permanently resurface the opening for which the permit has been issued. If time extension is needed for the completion of the work, approval may be obtained either by letter of request or if the Engineer deems it necessary a new application must be filed. Permits will not be issued for a period in excess of 12 months. Any Township road surface, sidewalk, curb, gutter shoulder or grassed area disturbed or destroyed by the permittee shall be restored by the permittee at his cost and expense to the same or better condition than it was before commencement of the work. No roads shall be encumbered for a longer period than is

necessary to execute the work. If that work is not completed to the satisfaction of the Township Engineer with a reasonable time, and after due notice to the permittee, the Township Public Works Department may finish the work and deduct the cost of the same from the total deposit, as required.

7. The entire excavation shall be backfilled with dense graded aggregate, or other suitable, well--drained, select material. The Township Engineer shall approve all backfill material used by the permittee. The backfill material shall be placed and tamped in layers not exceeding one foot in depth.
8. Temporary pavement replacement shall be completed daily. During the interval between completion of backfill and the time of placement of base paving, all areas shall be maintained in a safe and satisfactory condition for normal traffic use. This shall be done by the use of minimum 12--inch thickness of dense graded aggregate (DGA) or an approved equal. All new pavement replacement shall be made in kind, except that in no case shall it be less than a total of 6--inch compacted thickness. Unless otherwise directed by the Township Engineer, temporary pavement shall consist of 6--inch compacted thickness bituminous stabilized base course (NJDOT 1--2) applied and rolled over the 6--inch thickness of DGA to remain permanently in place as a sub--base. The finish surface of this course shall be brought to the existing pavement elevation. Pavement replacement in areas requiring more than six inches overall thickness shall consist of a minimum of three lifts of asphalt, and in no case shall one individual lift exceed four inches compacted thickness. The temporary pavement shall remain in place for a minimum of 6 months. Final restoration shall be completed within (1) year, unless a longer period is approved by the Engineer.
9. After the approved settlement period, the permittee shall complete final restoration by using a milling machine to remove the top 2 inches of temporary pavement and a 6--inch width of the existing pavement along either side of the trench. The milling shall be conducted so as to produce clean and straight edges. The temporary surface shall be broom swept free of dirt and debris. The existing temporary pavements surface shall receive a tack coat of asphaltic oil, grade RC-0, or emulsified asphalt, Grade RS-1. The edges of milled area shall be heated using infrared methods to create a seamless bond between the existing and new asphalt surface. The surface course shall then be placed and rolled even with the existing pavement. A 2--inch thick (compacted thickness) bituminous concrete surface course of FABC Mix I-5 top (surface course mixture no. 5) shall be placed thereon, adequately crowned to provide drainage. For gravel surfaces, the surface course shall be six inches compacted thickness of type 5, class A, soil aggregate or dense graded aggregate (DGA).
10. All materials and methods of construction shall comply with the New Jersey Department of Transportation Standard Specification for Road and Bridge Construction, dated 2007, and all revisions and amendments thereto.
11. Unless otherwise approved by the Township Engineer, all construction details shall comply with New Jersey Residential Site Improvement Standards (RSIS).
12. When it becomes necessary to open the paved section of any road, such opening shall not be less than two feet wide nor more than three feet at the top, nor shall any opening be less than three feet square and the sides of such opening shall be perpendicular at the top converged towards the bottom so that the width at the bottom shall be less than, but not greater than, the width at the surface of the pavement.
13. The permittee shall cut all pavement with saw or other equipment approved by the engineer prior to excavation. The contractor shall cut back existing pavements using a milling machine, or equal means, to produce straight and clean lines along the existing pavement prior to placing final pavement.

14. Shoulders shall be replaced in kind or as otherwise directed by the engineer. Where conditions require and the superintendent requests, surface treated gravel shoulders or any portion thereof shall be restored by applying two (2) inches of bituminous material in place of the oil treatment. The base of all shoulders shall be restored as originally constructed.
15. If, during construction, it is found expedient by the contractor to modify or change the design of any part of the facility, including the equipment or any part thereof, completely detailed and checked working drawings showing the proposed changes are to be submitted to the engineer for his review. Any permitted modification or change of design as set forth above is to be at the sole discretion of the engineer. Approval of such changes does not release the contractor from his obligation or guarantees, nor are any of the conditions of the contract abrogated thereby.
16. No person shall place material of any description whatsoever, or vehicles or other equipment of any nature, upon any road or street, so as to interfere with the flow of water along the gutters or with traffic.
17. No excavation shall be opened for a distance of more than 200 feet at any single time. All excavations shall be backfilled and all equipment removed from the public right-of-way at the end of each day's work and at such times as may be required for noninterference with snow removal.
18. The Township Engineer, Department of Public Works, and the Police Department shall be notified 24 hours in advance of the exact time of starting work on all excavations, and 72 hours in advance of the replacement of the pavement base and surface courses.
19. All work performed and material furnished shall be in compliance with the rules, regulations and specifications of the Township.
20. Work shall be completed to eliminate interference with subsurface utilities, their appurtenances unless permission for interference has been obtained from the proper authorities. No excavation which could endanger or damage trees or shrubbery shall be made without the engineer's approval. Blasting is not generally approved and will only be permitted by special consent of the township engineer.
21. The Township Engineer reserves the right to impose Special Condition in special cases.
22. The permittee shall indemnify and hold harmless the Township of Chatham, its officers, employees, and agents against all suits and costs of every name and description and from all damages and injuries.
23. Permittee shall provide adequate public notice, not later than 72 hours prior to the construction. The proposed notice shall be submitted to the Township Engineer for approval prior to distribution.
24. The applicant shall supply a current New Jersey "One—Call" confirmation number, to document compliance with the underground utility location law.
25. Bituminous crack sealant, approved by the Township Engineer, shall be applied to all final pavement restoration joints.
26. For main extensions, public notification shall be provided three (3) days prior to the start of construction to all properties located on the impacted roadway.
27. Following final pavement restoration, the work will be subject to a two (2) year maintenance period. The permittee shall notify the Township at the end of the maintenance period to schedule a final inspection to closeout the project. This project will be deemed complete following a final inspection by the Township Engineer after the maintenance period. After the work is completed by the Township, any balance remaining from the total escrow deposit shall be returned to the permittee.
28. All work must comply with Township Code Chapter 22, Tree Management. If a tree will be damaged or removed, a tree removal permit is also required.



NOTES

1. LIMITS OF TRENCH TO BE CUT TO A NEAT EDGE AND TACK-COATED WITH EMULSIFIED ASPHALT
2. ON AREAS SEALED WITH AC-20, DRY SAND SHALL BE SPRINKLED TO PREVENT PICKUP BY TRAFFIC.
3. IN AREAS WITH WET OR UNSTABLE BOTTOMS USE 3/4" CLEAN BROKEN STONE TO STABILIZE TRENCH BOTTOM, TO SOLID, STABLE FOUNDATION
4. CONTRACTOR SHALL REPAIR ANY SETTLED AREAS WITH STABILIZED BASE AFTER A SIX MONTH PERIOD OR ONE WINTER SEASON TO ENSURE NEW PAVEMENT SURFACE REMAINS FLUSH WITH EXISTING PAVEMENT.
5. FOLLOWING A ONE YEAR SETTLEMENT PERIOD CONTRACTOR SHALL MILL TEMPORARY PAVEMENT TO A DEPTH OF 2" AND A MINIMUM OF 6" BEYOND THE LIMIT OF EXCAVATION. CONSTRUCT NEW 2" MINIMUM BITUMINOUS SURFACE COURSE FLUSH WITH EXISTING SURFACE. THE AREA PAVED SHALL BE TACK COATED WITH RC-70 ASPHALT AT A RATE OF 0.15 TO 0.35 GALLONS PER SQUARE YARD. EDGE OF ALL NEW PAVEMENT SHALL ALSO BE CRACK SEALED.

Date	Revision

SURFACE RESTORATION DETAIL
IN THE
TOWNSHIP OF CHATHAM