



## TOWNSHIP OF BRANCHBURG

1077 US HIGHWAY 202 NORTH, BRANCHBURG, NJ 08876-3936

TELEPHONE: (908) 526-1300 x142

FAX: (908) 526-7479

[www.branchburg.nj.us](http://www.branchburg.nj.us)

OFFICE OF THE TOWNSHIP ENGINEER

POLICE DEPARTMENT 908-526-3830

### PERMIT TO OPEN PUBLIC GROUNDS

#### FOR OFFICE USE ONLY

Permit number: \_\_\_\_\_ ☐ Approved ☐ Denied

Conditions: \_\_\_\_\_  
\_\_\_\_\_

Inspector's signoff: \_\_\_\_\_  
(Date of Opening) (Temporary Repair) (Final Repair)

Engineer's signoff: \_\_\_\_\_  
(Township Engineer) (Date)

NOTE:  
PERMIT EXPIRES 1 (ONE) YEAR FROM DATE ISSUED

#### TO BE COMPLETED BY APPLICANT

Contractor Name: \_\_\_\_\_ Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_ Position/Title: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Emergency No: \_\_\_\_\_

Property owner: \_\_\_\_\_ Telephone number: \_\_\_\_\_

Address of opening: \_\_\_\_\_ Block: \_\_\_\_\_ Lot: \_\_\_\_\_

Purpose of opening: \_\_\_\_\_

Size of opening: \_\_\_\_\_ Surface area: \_\_\_\_\_ Pipe diameter: \_\_\_\_\_  
(Length) (Width) (Depth) (Square Yards) (Inches)

If this is an emergency opening, state the time and date the Township was notified: \_\_\_\_\_

Emergency contact: \_\_\_\_\_ Telephone number: \_\_\_\_\_

Temporary repair to be completed the same day of the opening, steel plates or other methods of maintaining a road opening overnight SHALL NOT be permitted unless previously authorized by the Township Engineer or his duly authorized representative.

Approximate date of applying final patch will be 6 (six) months after applying temporary repair.

Accompanying this application is a non-refundable application fee in the amount of \$ \_\_\_\_\_. Also accompanying this application is a \$ \_\_\_\_\_ maintenance guarantee and a completed W-9 form, which is to be held by the Township and utilized in accordance with the Regulation. (The W-9 Form can be found on our web-site.) (NOTE: If this application is being submitted by a public utility which has already posted a continuing performance guarantee in accordance with the Regulations, please enter ZERO for the maintenance guarantee value.)

In the event of this application being granted, the undersigned agree to conform to all the requirements of the specifications and fee schedule adopted by the Township of Branchburg, the text of which has been read by the applicant.

The owner agrees as a condition of the issuance of a permit, that any facilities, pipes, poles, etc. to be installed within the Township right-of-way pursuant to the permit shall be promptly relocated at the owner's expense as required by the Township Engineering Department to accommodate the installation of Township facilities.

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**An Acceptable Plan or Sketch, Insurance Certificate & W9-Form MUST Accompany This Application.**  
**CONTRACTOR MUST CONTACT THE ENGINEERING DEPT. 24 HOURS PRIOR TO START OF WORK**  
**TO SCHEDULE AN INSPECTION. 908-526-1300 X142**



# Township of Branchburg

1077 US HIGHWAY 202 NORTH, BRANCHBURG, NJ 08876-3936

TELEPHONE: (908) 526-1300 x142 FAX: (908) 526-2452

[www.branchburg.nj.us](http://www.branchburg.nj.us)

OFFICE OF THE TOWNSHIP ENGINEER

## POLICY GOVERNING PERMITS TO OPEN PUBLIC GROUNDS

Definitions. Unless the context clearly indicates otherwise, the meaning of the terms used in these regulations shall be as follows:

- A. "Approved" shall mean approved by the Engineer.
- B. "Engineer" shall mean the Township Engineer or his authorized assistant, inspector, agent or representative.
- C. "Emergency" shall constitute a water main break, gas leak, sanitary sewer break or any situation, which, in the judgment of the Engineer, may result in harm to the public's health or damage to public or private property.

No person, persons or corporation, municipal or private, nor any utility company, public or private, shall for any purpose open, tear up, excavate, bore, tunnel or drive under or in any way impair the surface or subsurface within the limits of any right-of-way or easement of the Township of Branchburg without first obtaining a Permit to Open Public Grounds from the Engineer.

The approved permit or copy thereof shall be available at the site during the duration of the work and shall be presented for inspection upon request of the Engineer.

No permit shall be issued to open the pavement of any municipal road that has been constructed or reconstructed for a period of five (5) years from the date of completion of said construction, except in the event of an emergency.

No permit shall be issued to open the pavement of any municipal road that has been overlaid for a period of three (3) years from the date of completion of said overlay work, except in the event of an emergency.

In the event of an emergency repair impacting the integrity of the pavement surface of a road under moratorium, the applicant will be responsible to repair the pavement surface by infrared heating the patch and the surrounding pavement surface. It is understood that the pavement restoration shall be a bituminous surface course Mix I-5 as directed by the Engineer or as prescribed in the Board approved drawings, having a minimum of two inch surface course Mix I-5, followed by an infrared heat treatment at a later date to properly repair the roadway. Backfill of trenches shall be ¾' Clean stone and applicable Bituminous Base Course. Such emergency repairs will require an Extended Maintenance Guarantee Fee as described in the Fee Schedule.

No permit will be issued for any permanent, aboveground structure within a municipal right of way with the exception of mailboxes constructed of approved breakaway material. No permit will be issued for any permanent, above-ground structure within any other type of municipal easement with the exception of a fence which complies with municipal ordinances and is constructed in such a manner to be easily removed from the easement should the Township require access or service within such easement.

No permit will be issued for construction of any type of drainage system that will cause water to be discharged onto the road surface within a municipal right of way. Further, the discharge from a groundwater or storm drain shall be in conformance to the National Standard Plumbing Code, chapter 13 as amended.

Application for a permit shall be made in writing on forms as prescribed by the Engineer and filed at least two (2) weeks prior to the proposed commencement of any work. It is understood that the applicant will be noticed two days prior to the anticipated commencement of work as to the completion or deficiencies in the application and thus disapproving application. Plans, profiles, work zone safety plan, insurance certificate, payments and any other details necessary to accurately depict the work to be performed shall be submitted with the application. When an opening is less than 30 square feet and no Township facilities other than road surfaces will be affected, the Engineer may waive the requirements for submission of plans. If the requirement for submission of plans is waived, a sketch on the application showing the proposed work and its exact location will suffice.



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- A. The Engineer shall review the application and accompanying data. The applicant will then be notified as to any objections to the application, fees, applicable Maintenance Guarantee to be posted and any conditions to be imposed on the application.
- B. When satisfied that the applicant has complied with all provisions governing the application, the Engineer will issue a permit. No work shall commence within a minimum of two (2) working days notice is given to the Engineer after the date set forth in the issued permit.
- C. In the event of an emergency, the two (2) week filing period may be waived by the Engineer and the permit may be issued within a shorter period of time as deemed appropriate. If circumstances warrant, an application may be made by a facsimile or e-mail and a temporary permit may be issued followed by a formal written application submitted within 48 hours.

The applicant must be a contractor, either corporate, individual, or partnership who will be actually engaged in the performance of the work under the permit and who will be directly responsible for the performance of the work, for the adherence of the work to the technical specifications, and for acting on the behalf of the owner for whom the work is being done. A permit will not be issued directly to the property owner without specific approval of the Engineer.

The Engineer will not issue a permit unless the applicant has submitted the applicable Maintenance Guarantee Fee as surety for faithful performance. The Maintenance Guarantee Fee shall be in the form of a certified check made payable to the "Township of Branchburg", the amount to be based on the attached Fee Schedule. When the required Maintenance Guarantee Fee exceeds \$4,000.00 the remainder may be in the form of a bond with Surety satisfactory to the Township. The applicant shall also pay, by separate money order or certified check, a non-refundable application fee as set forth in the attached Fee Schedule and shall submit proof of self-insurance as set forth in this policy.

Permits will not be required of persons or corporations under contract to the Township of Branchburg to perform work in municipal roads and/or easements within the limits of the contract.

Application fees and Escrows will not be required of any County or State entity. However, any person or corporation under contract to a County or State entity shall comply fully with all provisions stipulated herein.

Maintenance Guarantee Fees will not be required of any public utility, as defined in N.J.S.48:2-13, which is subject to the jurisdiction and control of the Board of Public Utility Commissioners of the State of New Jersey and which has filed with the Township a continuing performance guarantee, approved by the Township Committee as to form and surety, and in an amount or amounts to be determined by it from time to time to guarantee the proper excavation, maintenance, and restoration of the road areas or easement areas to be disturbed. When the calculated Maintenance Guarantee Fees for a single project exceeds one-half the amount of a continuing performance guarantee, a separate guarantee for such a project will be required. The Engineer may, at any time, decline to grant the issuance of further permits under a continuing performance guarantee and require the appropriate Escrow be furnished instead. However, any person or corporation under contract to a public utility to install, replace or repair any pipe, conduit or facility shall comply fully with all provisions stipulated herein.

Applications, Permits and Maintenance Guarantee Fees for the opening of public grounds shall not be required for any work approved by the Townships' Planning Board or Zoning Board of Adjustment *of which properly secures the appropriate development escrow fund* for the inspection of the prescribed work; unless otherwise stipulated in resolution of said Board. The applicant may proceed with the work prescribed within the Board approved improvements, upon receipt of fully executed Application Plans and satisfaction of restrictive resolution conditions.

Except in the event of an emergency, the first day of work for which a permit is issued cannot be a Friday, Saturday, Sunday or eve of a Township holiday.

The applicant shall notify the Engineer, Public Works Supervisor and Police Traffic Safety Officer at least two (2) working days in advance of the actual commencement of any work. The applicant shall also provide the names and night phone numbers of at least two individuals authorized to make emergency repairs to the excavation.



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The applicant shall comply with all provisions of the Underground Facilities Protection Act. The applicant shall be solely responsible for ascertaining the location of all utilities and for the repair of same if damaged as a result of work for which the permit was issued.

The applicant shall provide written notice to all property owners and/or tenants at least forty-eight (48) hours in advance of any work that will interfere with access to their residence or place of business. One copy of each notice will be furnished to the Engineer.

The latest New Jersey State Department of Transportation Standard Specifications for Road and Bridge Construction with all amendments and supplements shall govern all of the work performed under these specifications except as supplemented herein.

All utilities within municipal right of ways shall be constructed with a minimum of four feet of cover to provide protection for the utilities in the event of future road reconstruction, repair or modifications that necessitates excavation, undercutting, or installation of facilities in the area where the utility is located.

Construction signing shall be installed 24 hours in advance of a multi-day construction project and arrangements made for the Police Traffic Safety Officer or his representative to inspect the same before construction commences. Approved construction signing shall remain in place until the construction within the municipal right of way is complete and approved by the Engineer. All construction signing shall comply with the requirements of the latest version of The Manual On Uniform Traffic Control Devices.

No municipal right of way shall be used to detour traffic without the prior consent of the Engineer and the Police Traffic Safety Officer. Plans showing the proposed detour and signing for same shall be submitted by the applicant to the Engineer and Police Traffic Safety Officer for approval. The applicant shall also obtain all approvals and/or permits required by any other jurisdiction affected by the detour or the signing for the same.

Once approval to close a road has been obtained, the applicant shall notify the Police Traffic Safety Officer and the Engineer a minimum of two weeks prior to the date the closing will be in effect. The applicant will also post advance warning signs of the detour a minimum of two weeks prior to the date of the closing.

Traffic shall not be constricted by lane closures in any municipal right of way without the prior consent of the Engineer and the Police Traffic Safety Officer.

The Engineer may, upon consultation with the Police Traffic Safety Officer, restrict the hours during which work may be performed in a municipal right of way when traffic is to be constricted by lane closure or detoured as the result of said work.

Work, which constricts traffic through the use of lane closures on any municipal right of way, will be limited to 9:00 AM to 3:00 PM or as restricted by the Engineer after consultation with the Police Traffic Safety Officer.

The Engineer, after consultation with the Police Traffic Safety Officer may waive the two-week advance notice in the case of an emergency.

The applicant shall indemnify and hold harmless the Township, its officers and employees, from all suits, actions, or claims of any character brought because of any injuries or damage received or sustained by any person, persons, or property on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Applicant; or because of any claims or amounts recovered from any infringements of patent, trade work, or copyright; or from any claims or amounts arising or recovered under the Workmen's Compensation Act, or any other law, ordinance, order, or decree; and so much of the money due the said applicant under and by virtue of his work under this permit as may be considered necessary by the Township for such purpose may be retained for the use of the Township; or in case no money is due, his Surety may be held until such suit or suits, action or actions, claim or claims for injuries or damages as aforesaid shall have been settled and suitable evidence to the effect furnished to the Township; except that money due to the applicant will not be withheld when the applicant produces satisfactory evidence that he is adequately protected by Public



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Liability and Property Damage insurance.

Worker's Compensation and Liability Insurance shall be maintained in force during the life of the work under the permit by the applicant covering all employees engaged in performance of the work under this permit in accordance with applicable statute.

As a minimum, the applicant shall carry the following coverage and amounts of insurance in addition to any other forms of insurance or bonds required under the terms of these Specifications. When applying for a permit, the applicant shall file with the Township Engineer a certificate from his insurer, showing the amounts of insurance policies. All insurance policies described herein shall contain a provision that the same shall remain in full force and effect for a period of two (2) years after the last work under the permit has been completed and accepted by the Township and shall name the Township of Branchburg, its officers and employees as additional insured's.

- A. Public Liability Insurance of not less than \$1,000,000.00 for all damages arising out of bodily injury or death of one person, and subject to that limit for each person, a total limit of \$3,000,000.00 arising out of bodily injury or death of two or more persons in any one accident or occurrence.
- B. Property Damage Liability Insurance providing for a limit of not less than \$500,000.00 for all damages arising out of injury or destruction of property in any one accident or occurrence and subject to that limit per accident, a total or aggregate limit of \$1,000,000.00 for all damages arising out of injury to our property during the policy period.
- C. Automobile Liability Insurance covering the applicant for claims arising from owned, hire, and non-owned vehicles with limits of not less than \$1,000,000.00 per person and \$3,000,000.00 any one accident for bodily injury and \$1,000,000.00 each accident for property damage shall be maintained in force during the life of the work under this permit.
- D. In addition, with respect to the operations the Applicant's subcontractors perform, the applicant shall carry for them and in the name of the Township, regular protective liability insurance in the amount of \$500,000.00/\$1,000,000.00, and regular protective property damage liability insurance in the amount of \$500,000.00/\$1,000,000.00.

It is specifically agreed between the Township and the parties executing this permit that it is not intended by any of the provisions of any part of these specifications to create for the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to the requirements of this permit to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this permit.

The Engineer shall periodically inspect all permitted openings and the repair and resurfacing thereof for the purpose of determining compliance with any conditions of the permit or specifications. The Engineer may:

- A. Order a stop to any opening and order the applicant to perform or correct specified work.
- B. Order a stop to any work and revoke the permit, in which event the Township shall complete, or cause to be completed, any work necessary to restore the opening (See General Fee Schedule Provisions, Item 2).
- C. Correct, or cause to be corrected, any work after notification to the applicant by the Police Traffic Safety Officer or the Engineer and the neglect or refusal of the applicant to make corrections as indicated (See General Fee Schedule Provisions, Item 2).
- D. Correct, or cause to be corrected, any work should the Police Traffic Safety Officer or the Engineer be unable to contact the Applicant or any of the Applicant's representatives whose telephone numbers appear on the permit application (See General Fee Schedule Provisions, Item 2).
- E. Take any other action deemed reasonable under the circumstances.

The applicant shall provide a Maintenance Guarantee in order to assure the prescribed work is in conformance to the Policy adopted by the Township Committee and is satisfactorily constructed, as determined by the Engineer. In the event the application is servicing an existing individual dwelling having a certificate of occupancy, the Maintenance Guarantee will be refunded to the applicant upon completion of work. The



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remaining applications having a Maintenance Guarantee will maintain the entire amount for the duration of the work, then release 50% upon initial acceptance of the restoration, and then maintain the remaining 50% for a two-year period at which time a final inspection will be performed as such monies will be released.

In cases where the permit is for a municipal road which is under the above-mentioned moratorium, upon inspection and acceptance of completed work under the permit, the Extended Maintenance Guarantee, shall be reduced by 30% and released to the applicant. The remainder will be reserved for a period of two years from the date of the acceptance of the infrared heat treatment. At the end of that two-year period a final inspection will be made and the remaining funds will be released. Should the amount of the required Extended Maintenance Guarantee exceed \$4,000.00, the remainder of the amount may be in the form of a bond with a surety satisfactory to the Township. All Maintenance Bonds shall contain a provision that the same shall remain in effect the entire maintenance guarantee period after the last restoration work under any permit has been completed and accepted by the Township.

The provisions herein set forth are designed as minimum requirements for the safety and welfare of the general public. However, if an applicant can demonstrate that, with reference to his application, the enforcement of one or more of said provisions will exact an undue hardship, the Township Committee may permit such waiver or waivers as may be reasonable and within said general purposes.

Waiver requests must be submitted in letterform to the Township Clerk a minimum of five working days prior to the scheduled Township Committee meeting when they wish to be heard. The request must specify the waiver being requested, the undue hardship which strict enforcement of the regulations will create, and what alternative the applicant proposes to satisfy the intent of the regulations.

#### **GENERAL FEE SCHEDULE PROVISIONS**

1. The trench widths to be used to compute the Maintenance Guarantee for pipe sizes and/or depths not shown in the Trench Width Chart shall be as determined by the Engineer. When it is not possible to use the Trench Width Chart and/or the Fee Schedule to compute the Application Fees and/or the Maintenance Guarantee Fee due to the nature of the proposed work, said Fees and Maintenance Guarantee Fee shall be as determined by the Engineer.
2. In the event the Township is required to make repairs to an opening, it shall utilize the monies received for the Maintenance Guarantee to pay for the work at which point the applicant shall reimburse the Township for the cost of such repairs prior to resuming work under the issued Permit. In the event the Township is required to make such repairs to an opening after normal working hours, Minimum Charges for After Hour Repairs listed in the Fee Schedule will be utilized.
3. In the event the Township finds it necessary to file a claim against the applicant's Surety, said claim must also be satisfied by the applicant prior to the resuming work under the issued Permit.
4. Application, Maintenance Guarantee and Extended Maintenance Guarantee Fees for disturbances within the ROW or municipal easement other than those mentioned below, are to be determined by the Township Engineer.

#### **FEE SCHEDULES**

##### **APPLICATION FEE (non-refundable)**

1. Minor Permit- Applicable towards an individual property or condominium unit having a certificate of occupancy at the time of the permit submission, and not disturbing an area within the paved roadway.
  - A. Driveway apron and/or Sidewalk, equal to or under 30 SY A. \$50.00
  - B. Driveway apron and/or Sidewalk, over 30 SY and less than 90 SY B. \$75.00
  - C. Shoulder or Easement disturbance, equal to or under 30 SY C. \$100.00





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2. Major Permit- Below lists the maximum level of disturbance.
  - A. Sanitary Connection per unit \$250.00
  - B. Utility Connection per unit
  - C. Curbing Repair or installation, under 200 LF
  - D. Sidewalk and Driveway Apron Repair or Improvements , equal to or over 90 SY
  - E. Driveway Culvert including an Apron
3. Major Permit under Moratorium \$500.00

**Maintenance Guarantee Fee (refundable)**

1. Minor Permit \$ 250.00
2. Major Permit, Base Maintenance Guarantee Fee \$1000.00
3. Major Permit, Additional Fee for each additional square yard over 30 SY of pavement disturbance.(Not to be applied towards Moratorium Roads.) \$50.00
4. Major Permit, Additional Fee for openings requiring an extended maintenance guarantee and not exceeding levels of disturbance listed under Items 2A-E. \$1000.00

**MINIMUM CHARGES FOR AFTER HOURS REPAIRS BY TOWNSHIP OF BRANCHBURG**

1. Monday (7:30 AM) to Friday (4:00 PM) Minimum Charge \$ 800.00
2. Friday (4:00 PM) to Monday (7:30 AM) Minimum Charge \$1,200.00
3. Legal Holiday Eve (4:00 PM) to next workday (7:30 AM) Minimum Charge \$1,200.00

**TECHNICAL SPECIFICATIONS**

1. Paved roadway surfaces shall be cut vertically to the full depth of the existing pavement with a sharp tool on a straight line before excavating. The surfaces shall be cut in such a manner that lifting of pavement adjacent to the trench will not occur during excavating. Any concrete encountered shall be saw cut and all bars cut flush with the edges of the concrete. Roadway surfaces beyond the limits of the trench shall not be disturbed.

For roads constructed or reconstructed prior to August 11, 1997, backfill material shall meet the requirements of Soil Aggregate Type I-3 or Dense Graded Aggregate Base Course or approved equivalent. Backfill materials shall be deposited in layers and compacted in such a manner and by such methods as to achieve 95 percent standard proctor density throughout the entire backfill. At no time shall the thickness of each layer exceed twelve (12) inches. The material excavated from the trench opening shall not be used as backfill unless specifically permitted by the Township Engineer or his authorized representatives.

For roads constructed or reconstructed on or after August 11, 1997, backfill material shall be Controlled Low Strength Material (CLSM), more commonly referred to as flowable fill. CLSM shall have a 28 day compressive strength of 70 to 120 pounds per square inch and the applicant will submit a mix design to the Engineer for approval prior to use.

2. For openings in pavements where concrete pavements do not exist the trench backfill shall be compacted to a level three (3) inches below the level of the adjacent paved surface. All adjacent paved surfaces of the trench shall be tack coated. A three (3) inch compacted thickness of CABC Mix I-2, Bituminous Stabilized Base, shall then be constructed. After a minimum of six (6) months, a saw shall be used to cut the pavements to its full depth in neat straight lines a minimum of six (6) inches beyond the perimeter of the existing trench. The trench shall then be excavated to a depth of eight (8) inches and all adjacent surfaces of said trench shall be tack coated. A six (6) inch (two lifts) compacted thickness of CABC Mix I-2, Bituminous Stabilized Base, and two (2) inch compacted thickness of FABC Mix I-5, surface paving



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material as specified by the Township Engineer shall then be constructed level with adjacent paved surfaces.

3. For openings in concrete or in concrete pavements overlaid with bituminous concrete, the trench backfill shall be compacted to a level three (3) inches below the level of the adjacent paved surfaces. All adjacent surfaces of the trench shall be tack coated. A three (3) inch compacted depth of Bituminous Stabilized Base, Stone Mix shall be constructed. After a minimum of six (6) months a saw shall be used to cut the bituminous pavement in neat straight lines a minimum of six (6) inches beyond the perimeter of the existing trench. In the case of a concrete road that has not been overlaid, recutting the concrete will not be required if the original cut is satisfactory and remains undamaged during the course of the work. The trench shall then be excavated to a depth of nine (9) inches and all adjacent surfaces of said trench shall be tack coated. A seven (7) inch (two lifts) compacted thickness of Bituminous Stabilized Base, Stone Mix and a two (2) inch compacted thickness of surface paving material as specified by the Township Engineer shall then be constructed level with the adjacent paved surfaces.
4. When openings are made in paved roadways that are under a permit moratorium, or constructed or reconstructed after August 11, 1997, the trench will be backfilled with Controlled Low Strength Material (CLSM), more commonly referred to as flowable fill, to the level of the adjacent paved surface. The excavation shall be protected from vehicle traffic for a minimum period of 2 weeks in a manner acceptable to the Engineer. After a minimum of 24 hours, a saw shall be used to cut the bituminous pavement in neat straight lines a minimum of six (6) inches beyond the perimeter of the existing trench. The trench shall then be excavated to a depth of eight (8) inches and all adjacent surfaces of said trench shall be tack coated. A six (6) inch (two lifts) compacted thickness of CABC Mix I-2, Bituminous Stabilized Base, and two (2) inch compacted thickness of FABC Mix I-5, surface paving material as specified by the Township engineer shall then be constructed level with the adjacent paved surfaces. CLSM shall have a 28 day compressive strength of 70 to 120 pounds per square inch and the applicant will submit a mix design to the Engineer for approval prior to use.
5. When openings are made in unpaved areas of the road shoulder, the trench backfill shall be compacted to a level six (6) inches below the top of the adjacent shoulder surfaces. A six (6) inch compacted depth of Dense Graded Aggregate Base Course shall then be constructed. After a minimum of six months the shoulder area shall again be compacted and redressed with a compacted layer of Dense Graded Aggregate Base Course.

Where existing or proposed manholes are located in disturbed shoulder areas, a minimum of two (2) inches of FABC-1 Mix I-5 shall be placed eight (8) feet on both sides of the manhole casting on six (6) inches of Dense Graded Aggregate Base Course. The width of the pavement shall vary to the dimensions of the existing shoulder.

6. Driveway Culverts shall be constructed of Reinforced Concrete Pipe or HDPE if sufficient cover is provided. Bituminous driveway aprons are required where culverts are installed. The aprons shall be at least eight feet or to the ROW if less than eight feet. The cross section shall be 3 inches Bituminous Stabilized Base Mix I-2 and 1 ½ inches Bituminous Concrete Surface Course.
7. All openings beyond the shoulder areas shall be brought to grade with compacted backfill. After a minimum of six months a minimum thickness of four (4) inches of topsoil shall be constructed in the trench area and seeded, fertilized, and mulched or sodded. Should a proper growth not be achieved, the area shall be refertilized, reseeded and remulched or resodded as necessary.
8. Tunneling may be permitted along or crossing a Township road. All voids created by tunneling shall be filled with concrete by an approved method.
9. Repair of Township facilities other than pavements, shoulders, or lawn areas, which are disturbed as a result of work performed under the permit, shall be as required by the Township Engineer or his authorized representative.

The trench opening shall be backfilled and paved as prescribed herein by the end of the working day. Exceptions to this provision will not be permitted except in the following instances:





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- A. The applicant submits detailed plans with the application for a permit showing how the trench and surrounding area will be protected for approval by the Township Engineer or his authorized representatives.
- B. When a trench must be excavated and left open due to an emergency. The trench and surrounding area is to be protected so as to allow for the safe passage of vehicular and pedestrian traffic. The Township Engineer must be notified as soon as possible so that a determination as to the need for additional safety measures can be made.
- C. The Applicant shall be responsible to provide steel plating as necessary due to a trench having to be left open for an extended time. Adequate traffic control measures shall be provided to ensure public safety. All plates installed or to be installed between the November 15<sup>th</sup> and May 1<sup>st</sup> shall be properly recessed such that the top surface is flush with the pavement edge.
- D. Prior to paving, the applicant shall be responsible for the adjusting or for arranging for the adjustment of all facilities such as manholes, inlets, utility boxes, etc. so that they will conform to the cross slope of the restored surface of the roadway.
- E. Compaction of pavement and stone shoulders shall be by use of rollers having a minimum weight of ten (10) tons or the equivalent thereof.
- F. The Township Engineer or his authorized representative may require that any portion of a trench be re-excavated and restored in accordance with provisions contained herein until the expiration of the period of maintenance.

**CHART FOR TRENCH WIDTHS (IN FEET)  
TO BE USED TO COMPUTE DEPOSIT FEES**

Depth (in feet)	4" Pipe	8" Pipe	10" Pipe	16" Pipe	24" Pipe	36" Pipe	48" Pipe	60" Pipe
0-6	4.0	4.0	4.5	5.00	6.0	7.5	9.0	10.5
6-9	4.0	4.5	5.0	5.5	6.5	8.0	9.5	11.0
8-10	4.5	5.0	5.5	6.0	7.0	8.5	10.0	11.5
10-12	5.0	5.5	5.5	6.0	7.0	8.5	10.0	12.0
12-14	5.5	6.0	6.0	6.5	7.5	9.0	10.5	12.00
14-18	6.0	6.5	7.0	7.5	8.5	10.0	11.5	12.5
18-20	6.5	7.0	7.5	8.0	9.0	10.5	12.0	13.0
20-22	7.0	7.5	8.0	8.5	9.5	11.0	12.5	13.5