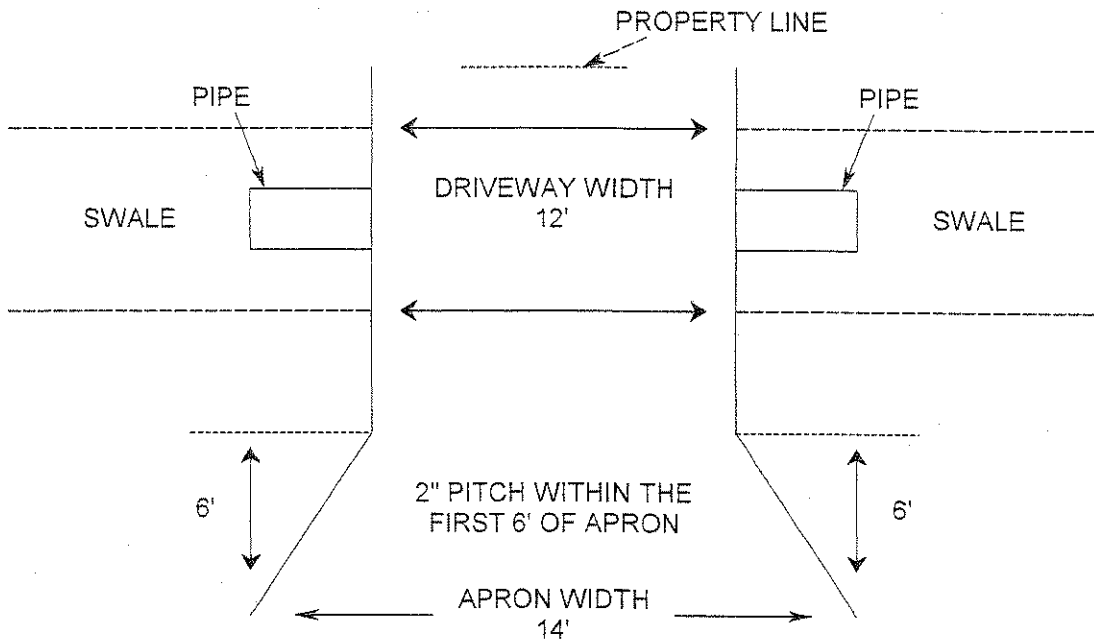
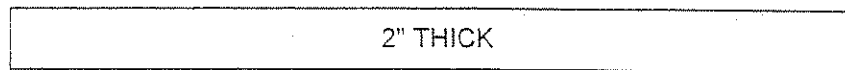


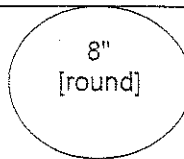
# DRIVEWAY APRON PERMIT PIPING REQUIREMENTS



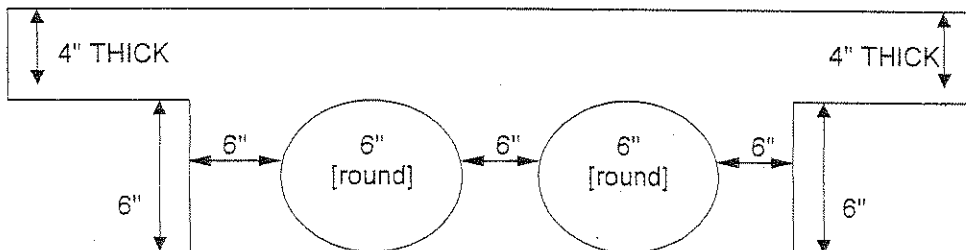
## ASPHALT DRIVEWAY APRON



ASPHALT MIN. OF 1 LG.  
20' SOLID PIPE  
8" DUCTILE IRON  
SCHEDULE #50  
MIN. 2" THICK



## CONCRETE DRIVEWAY APRON



CONCRETE MIN. OF 2 LENGTHS  
20' SOLID PIPE  
6" ADS N/12  
MIN. 4" THICK

DIAGRAM NOT DRAWN TO SCALE

provided for in § 185-8B. No opening shall be commenced on a Saturday, Sunday or holiday unless in cases of emergency.

- C. All openings must be backfilled immediately upon inspection and paving restored, using temporary materials, within two weeks thereafter.
- D. No work area shall be closed to traffic for more than three working days without the approval of the DPW.
- E. Permanent restoration shall take place no less than six months nor more than 12 months from the date of completion of the temporary restoration, unless otherwise required by the Director of the Public Works Department. [Amended 8-24-1993 by Ord. No. 1135]

**§ 185-12. Fees and bond requirements.**

- A. A permit fee shall be charged by the DPW for the issuance of a permit which shall be in addition to all other fees for permits or charges relative to any proposed construction work. The permit/inspection fee shall be in an amount varying with the size of the road opening. [Amended 9-3-1985 by Ord. No. 809; 7-11-1995 by Ord. No. 1206]

- (1) Trench/driveway openings. [Amended 5-23-2006 by Ord. No. 1655]

Size of Trench Opening (linear feet)	Fee
Up to 20	\$160.00
21 to 40	\$170.00
41 to 100	\$200.00
101 to 250	\$235.00
251 to 1,000	\$360.00
1,001 and over	\$360.00 plus \$20.00 for every 1,000 linear feet thereafter

- (a) Deferred driveway. There shall be a guarantee fee of \$500 to defer a driveway apron. Upon completion and final approval of the installation of the driveway apron, the guarantee fee will be reimbursed less a \$50 administrative fee.

- (2) Curb and gutter installation permits.

Length of Installation (feet)	Fee
0 to 100	\$75.00
100 to 500	\$110.00
Over 500	\$125.00 plus \$15.00 for every 1,000 feet thereafter

## (3) Direct burial cable.

Length (feet)	Fee
Up to 1,500	\$110.00
Over 1,500	\$125.00 plus \$15.00 for every 1,000 feet thereafter

NOTE: The fees apply to cables a maximum width of six inches in the shoulder. For cables of greater widths, trench fees apply.

- (4) Pole installation. No permit fee required, but drawings and permit are required. No inspection fee will be charged.
- B. Performance guaranty. No permit shall be issued hereunder prior to the submission of a performance guaranty in the amount of \$50 per linear foot of excavation in a paved street area. This performance guaranty shall serve to guarantee that the road openings will be properly closed and that the road, street or highway over the road will be satisfactorily reconstructed. [Amended 4-26-1994 by Ord. No. 1162; 4-10-2001 by Ord. No. 1456]
- C. Maintenance guaranty. The performance guaranty shall become the maintenance guaranty after final inspection by the township and will serve to guarantee that the road, as reconstructed, will remain in good condition for two years after the final acceptance. A performance guaranty is not required for driveway openings. [Amended 4-26-1994 by Ord. No. 1162]
- D. A utility company or developer may, in lieu of giving a separate bond for each protect, annually, in January of each year, post a performance bond, a corporate bond or certified funds in the amount of \$50,000 or for an increased amount as determined by the Township. If an increased amount is required, notice of same shall be sent to the utility company by December 15 of each year. A decreased amount may be requested in writing by the utility company based on actual work undertaken in the Township in the previous years. Said request shall be forwarded to the Township Clerk and Public Works Department by December 15 of each year. A reduction in the bonding amount shall be at the discretion of the Township. No permits shall be issued until bond has been approved by the Township. The Township reserves the right that when the openings or trenches exceed the amount of the bond posted, additional bonds or cash security will be required. [Amended 4-26-1994 by Ord. No. 1162; 5-23-2006 by Ord. No. 1655]
- E. All checks and bonds under this article shall be submitted to the DPW and shall be made payable to the Township of Galloway. Cash will not be accepted. The DPW will hold performance guaranties until final inspection and will hold maintenance guaranties for two years after posting and final acceptance by the Township Council. [Amended 9-3-1985 by Ord. No. 809]
- F. Performance and maintenance guaranties shall be in the form of checks, bonds, letters of credit or escrow agreements between the applicant and a guarantor, approved as to form by the Township Solicitor and finally approved by the Township Council.

- B. In all cases where the road or street is to be excavated, the permittee is obligated to restore said road or street with six inches of gravel, millings or rap base, a four-inch bituminous stabilized base course beneath the bituminous concrete wearing course. The wearing course shall be two inches of hot mix asphalt surface course, Mix I-5. In all cases of excavation, the existing wearing course shall be neatly cut straight through the bituminous surface a minimum of two feet wider on all sides than the extended excavation in accordance with diagrams. All seams must be tacked. On roads presently paved with oil and stone, a visible wedge of hot mix asphalt base course, Mix I-2, shall be placed to give a new crown with a 2% slope, and the entire roadway shall be resurfaced with a two-inch-thick hot mix asphalt surface course, Mix I-5. **[Amended 4-26-1994 by Ord. No. 1162; 5-23-2006 by Ord. No. 1655]**
- C. After backfill, the trench will be inspected by the DPW and he will determine the extent of resurfacing necessary, i.e., an overlay of trench only or an overlay of the entire roadway. It shall be township policy that in most cases full width restoration will be required. In the event that the roadway has been resurfaced by the township within the previous five years, the DPW will require full width restoration for parallel trenches and a two-inch overlay for perpendicular trenches which must be milled or saw cut at one foot on both sides. Restoration must comply with § 185-17B. **[Amended 8-24-1993 by Ord. No. 1135; 4-26-1994 by Ord. No. 1162]**
- D. In the case of a trench or opening in the earth shoulder, the applicant shall restore the top four inches of the trench with material capable of supporting the growth of grass and shall fertilize and seed said surface.
- E. Whenever required by the DPW, pipes for making opposite-side hookups shall be driven or bored under the paved portion of the road or street without disturbing the surface.
- F. Road openings and/or trenches involving unusual special conditions shall be restored in accordance with and pursuant to the direction of the DPW or his representative.
- G. Upon completion of work, the applicant will request a final inspection by the DPW. If work is completed in a satisfactory manner, a certificate of satisfactory completion will be issued by the DPW. Upon receipt of this certificate and upon delivery of a maintenance guaranty to the DPW, the performance guaranty will be returned by the DPW or the Township Treasurer, as the case may require. **[Amended 9-3-1985 by Ord. No. 809]**
- H. In any case where the contractor has not complied with these regulations to the satisfaction of the DPW or his representative, the DPW, without notice, may cause the work to be satisfactorily accomplished, and the cost shall be deducted from the performance bond made by the applicant.
- I. All driveways are required to have a paved or concrete apron no less than four inches of concrete or no less than two inches of asphalt one to two inches above the roadway from the edge of the roadway to the property line depending on the pitch of the road. Any exemption to this requirement must be reviewed and approved by the Director of Public Works. **[Amended 8-24-1993 by Ord. No. 1135; 4-26-1994 by Ord. No. 1162]**
- J. Infrared. **[Added 5-23-2004 by Ord. No. 1655]**

- (1) Infrared restoration for repair of asphalt streets that are less than five years old and have been opened for utility work shall be utilized after a one-hundred-twenty- to one-hundred-eighty-day settlement period has elapsed.
- (2) The method of infrared restoration shall comply with Township policy.

**§ 185-18. Maximum number of holes permitted; inspections. [Amended 8-24-1993 by Ord. No. 1135]**

- A. If more than three individual holes are required within a twenty-foot length, a single trench must be used rather than the individual holes. In no case will more than three individual holes be permitted.
- B. If more than two individual excavations are required within a fifty-foot length, one continuous patch is required to cover all trenches. The township reserves the right to require an inspection for all excavations. An inspection fee shall be paid by the permittee to the township at the prevailing rate. Payment shall be made by a check made payable to the Township of Galloway. Cash will not be accepted. A Schedule of Inspection Fees shall be available at the Office of the Department of Public Works. Payment of inspection fees shall be a precondition for the release of performance guarantees. [Amended 4-26-1994 by Ord. No. 1162]
- C. If an inspection is required outside the normal workday hours, an additional fee may be imposed for the cost of the hours beyond the normal workday. [Added 4-26-1994 by Ord. No. 1162]

**§ 185-19. Violations and penalties. [Amended 6-28-2005 by Ord. No. 1609]**

The penalty prescribed for any violation of this article or any section thereof shall be a fine of not more than \$1,000, imprisonment for not more than 90 days and/or a period of community service for not more than 90 days. Each day that a violation exists shall be considered a separate offense.

## POLICY

### GALLOWAY TOWNSHIP METHOD OF CONSTRUCTION FOR INFRARED RESTORATION OF ROADWAYS:

Infrared restoration for repair of asphalt streets that are less than 5 years old and have been opened for utility work shall be utilized after one hundred twenty (120) to one hundred eighty (180) day settlement period has elapsed.

(a) The following methods of construction shall apply:

- 1) After completion of permanent restoration, the permittee shall provide Infrared restoration.
- 2) The area shall be swept clean of dirt, loose aggregate, or standing water.
- 3) A chalk line shall be drawn twelve (12") inches back from the seam of the original opening to use as a guide raking.
- 4) The infrared chamber shall be lowered over the repair being sure to allow at least twelve to eighteen (12'-18") inches of heated area beyond the perimeter of the original opening.
- 5) To insure the proper heating time, the contractor shall check the surface temperature of the asphalt at seven minutes and every minute thereafter using an infrared thermometer so as not to allow the surface temperature to exceed three hundred fifty (350°) degrees Fahrenheit. This is required since the ambient temperature, the color of the pavement, the size of the aggregate, and the moisture content influence the heating time.
- 6) After the appropriate heating time (typically eight to ten (8-10) minutes), the asphalt surface will be softened to a depth of two to two and one-half (2"-2 1/2") inches.
- 7) The infrared chamber shall be then removed from the heated area.
- 8) The backside of a steel rake shall be used to neatly square off the repair, cutting twelve (12") inches back from the original excavation along the chalk line.
- 9) The area inside the repair shall be deeply scarified, taking special care to eliminate the original seam between the repair and the road.
- 10) Approximately one-half to one (1/2"-1") inch of existing three-fourths (3/4") inch stones shall be raked out and removed from the patch.

- 11) Maltenes rejuvenator shall be applied to the repair and surrounding heated asphalt surface. Emulsified maltenes recycling agent (rejuvenator) shall be applied in a ratio of 1:1 with water. This solution shall be well dispersed with a commercial grade sprayer at a rate of eight (8) ounces per square yard of heated area. This application area shall include both the area under repair as well as the area heated by left undisturbed around the perimeter of the repair. The application shall take place after the area has been scarified and just prior to the addition of new asphalt. The rejuvenator replaces the light oil component of asphalt, which has oxidized out over time.
- 12) Hot mix asphalt I-5 (1/4-3/8 aggregate) shall be added to the area to bring it up to proper grade and luted smooth.
- 13) The area shall be compacted. The edges shall be rolled first to fuse the hot repair to the heated but untouched surrounding pavement.
- 14) Light coating of stone dust can then be spread over the repair to remove the tackiness. The road can then be opened to traffic.

(b) Equipment shall meet the following specifications:

- 1) Infrared Heater. The heating chamber used shall consume no more than twelve thousand five hundred (12,500.) BTU per square foot heated area. This rate of consumption shall translate into the ability of the heater to soften asphalt to a depth of 1 ½ to 2 ½ inches in eighth to ten (8-10) minutes without burning the surface.
- 2) Asphalt Storage Unit: A thermostatically controlled storage unit will be utilized to insure the sufficient hot virgin asphalt is on hand. This unit must insure that the temperature of the asphalt is never in excess of three hundred twenty-five (325°) degrees Fahrenheit.
- 3) Compactor/Roller: The compaction equipment used will generate at least two thousand (2000) pounds of applied force/square foot.
- 4) Steel Rake: A steel rake shall be used to delineate the repair area along the chalk line and to scarify the heated area of the patch inside the chalk line to a depth of at least two (2") inches.
- 5) Asphalt Lute: A thirty-six (36") inch wide lute shall be used to evenly distribute the added asphalt and to establish the proper grade.

## GALLOWAY TOWNSHIP CLEANUP POLICY

- a. All areas shall be kept neat and clean during construction. During work hours, debris in the street shall be properly barricaded. Traffic flow and access shall be maintained in a safe and reasonable manner in accordance with the standards set forth in the latest edition of the M.U.T.C.D. After work hours, construction debris shall not be left in any street or alley.
- b. Persons performing work shall remove any and all construction related debris from the site of the excavation on a daily basis. All debris removed from the excavation site shall be disposed of properly and legally. No debris shall be left at the site. Broken pavement, large rock and other objectionable materials such as piping are to be kept segregated from the clean surplus material and trucked to the contractor's disposal site.
- c. No debris shall be disposed of on public or private property.
- d. Construction equipment and construction material shall not be parked or placed in any street overnight unless a permit has been obtained from the Director of Public Safety.
- e. Any damage to private property such as, but not limited to, fences, lawns, driveways, parking areas, curbing, landscaping and sidewalks shall be restored to a condition equal to or better than the condition prior to the street opening.
- f. All depressions, whether on public or private property, occurring during or resulting from the street opening shall be repaired by the permittee. The Director of Public Works or his/her designated representative shall determine the cause of any depression and notify the contractor and/or permittee accordingly.
- g. All obstructions in watercourses and drainage systems shall be removed and drainage systems cleaned of any and all debris resulting from construction of the utility opening.