

Permit No. \_\_\_\_\_

Permit Fee: \$250.00 \_\_\_\_\_

### CITY OF MIDWEST CITY CONDUIT PERMIT

Type of Installation:

Gas \_\_\_\_\_ Oil \_\_\_\_\_ Water \_\_\_\_\_ Other \_\_\_\_\_

Applicant \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

A permit to erect, construct, and maintain a \_\_\_\_\_ along, upon, or across the hereinafter said streets for the purpose of transport, selling and using \_\_\_\_\_ as shown on the attached drawing(s) and further described:

Location: to \_\_\_\_\_ approximately  
(cross or parallel) (Street)  
\_\_\_\_\_ miles \_\_\_\_\_ of \_\_\_\_\_ and further  
(N.E.S. or W.) (Street junction or other definite points)

described as: \_\_\_\_\_ feet \_\_\_\_\_ of the \_\_\_\_\_ corner  
(N.E.S. or W)

of Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ County \_\_\_\_\_

The installation to be made in the following manner: \_\_\_\_\_

Size of the line: \_\_\_\_\_ Size of the casing: \_\_\_\_\_

Before placing a conduit facility on any Midwest City right-of-way, a permit must be obtained, using standard forms furnished by the Community Development Department. All information requested on the form must be supplied. Drawings clearly illustrating work to be performed within the street right-of-way and all other utility facilities in the area of this permit should be provided with the permit application. A plan view will be sufficient, except where crossing of the street is involved. Each street crossing must be represented by an actual profile and cross-section view, regardless of the type of facility being installed or its function.

This permit is granted subject to the following conditions, requirements, and covenants, to wit:

1. Work to be performed on City right-of-way must have the approval of the City Engineer, who must be notified when the work is to begin and when it is completed for final inspection. Under no circumstances will any work be done on City right-of-way until such an approval has been obtained.
2. One copy of the approved permit must be kept at the work site for inspection by the City Engineer or Engineer's representative. The applicant will be required to have an inspector or engineer present at all times during construction to insure that installation is made in accordance with plans and specifications approved by the Department. No deviation from the approved plans and specifications will be made without the approval of the City Engineer.
3. The applicant must agree to hold the City harmless from any damage or injury to persons or property caused by or resulting from the construction, maintenance, operation or repair of the facilities on, under, or over the City right-of-way. The applicant must further agree to reimburse the City for any repair of any damage to City facilities caused by the construction, maintenance and/or operation of the facility.

4. All work on City right-of-way is to be done in accordance with the current ODOT Standard Specifications for highway construction. At the conclusion of such work, the right-of-way must be cleaned up and left in presentable condition. Cleanup will include replacing any protective grass cover destroyed by trenching or the operation of any equipment, and correcting any other damage that may have been caused, as directed by the City Engineer.
5. The applicant must furnish all flagmen, lights, barricades, and warning signs deemed necessary by the City during the construction, maintenance, or repair of his facilities on City right-of-way, as required by City standards and the ODOT "Manual on Uniform Traffic Control Devices." In some cases, the applicant must post bond in an amount determined by the City Engineer. Such bonds usually will not exceed \$10,000.00. Necessity of the bond will be determined by the City Engineer and the bond will be held in the Engineer's office until the right-of-way is in a presentable condition.
6. When notified to do so by the City, the applicant agrees to make all changes in the facilities on the City right-of-way at the applicants own expense, unless otherwise provided by law or order of the City Council.
7. All encased crossings are to have casing from right-of-way line to right-of-way line, be sealed at both ends and vented outside the right-of-way lines, unless otherwise approved by the City. The top of the conduit will be a minimum of 1.22 meters (48 inches) below subgrade, but not less than .76 meters (30 inches) below the bottom of the ditches. The casing must be designed to sustain roadway loadings, contain and divert from the road-way the contents of the carrier pipe, and have a life expectancy equal to or greater than the carrier pipe. The vents should be sized to allow proper release of carrier pipe contents in case of a failure. The minimum pipe size for vents is 5.08 centimeters (2 inches) nominal, and the vent must extend a minimum of .91 meters (36 inches) above natural ground level. The owner must install identification markers at each right-of-way fence, and should be placed over parallel underground facilities at each change in direction and not more than 304.8 meters (1,000 foot) intervals. The markers may be in the owner's standard design, but must identify the owner stating address and telephone number, size facility, and must be at least 838.5 square centimeters (130 square inches) in area. They must also be erected at a location plainly visible from within the street right-of-way.

Steel pipelines crossing the right-of-way may be installed without encasement if the installation is in accordance with ODOT "Special Provisions for the Installation of Underground Pipelines...". This Special Provision stipulates in part that the carrier pipe material within the right-of-way must be superior to the carrier pipe material outside the right-of-way by being of steel at least one grade better and of the same wall thickness, or a minimum of one wall thickness greater and of the same alloy. Pipe must be 1.22 meters (48 inches) below the flow line of drainage ditches and all other street drainage facilities, and must be properly protected from corrosion.

Facilities, such as water lines, crossing the street right-of-way may be approved without the use of encasement, if cast or ductile iron or material of equal design is used, with the understanding that maintenance will be performed by a method that will not disturb the through lanes or interfere with traffic. AC, PVC, Polyethylene or equivalent material lines will not be permitted without the use of steel or equivalent material conduit.

All underground crossings must be installed by boring or punching or other approved methods. The method and equipment for the installation must be approved by the City Engineer. When boring beneath a roadway, water may be used provided the elevation is a minimum of 1.52 meters (5 feet) below subgrade. Sufficient water for lubricating the bit is acceptable; however, jetting or pressure flushing of the bore will not be permitted. The alignment of the bore is to be established by drilling a pilot hole before beginning the full size bore. When water is used, the annular space outside the conduit or carrier pipe is to have grout placed at a minimum of 10 PSI, pressure to insure against cavities beneath the roadbed.

When larger diameter pipe/conduit is placed, construction should be done by either jacking, dry boring, or tunneling. When boring in cohesionless materials, jacking or dry boring, or tunneling shall be done in conjunction with the advancement of a conduit/pipe. When boring in Bentonite Clay or equivalent material, drilling mud shall be required at the ends of the bore for a minimum distance of .304 meters (1 foot). A natural clay or concrete plug will be acceptable for other bores.

Time to complete a bore shall be kept within the limits of open boring or advancing a conduit that can be properly reamed and cleaned out within one working day. Under no circumstances shall muck or water be left standing inside the bore at the end of a working day, or due to a breakdown of equipment or more than eight hours.

If considered necessary, pressure grouting of the voids will be required when the diameter of bore exceeds the outside diameter of the pipe by 5.08 centimeters (2 inches) or more. In the interest of safety, trenching and the parking of equipment shall be performed as far as possible from traffic lanes. In unusual cases where trenching is necessary, a special plan with specifications will be developed by the owner with the assistance of the City Engineer, setting out the method for controlling the traffic, placement of the facility and proper restoration of the roadway. The method must be approved by the City Engineer.

Parallel facilities inside the right-of-way should be installed no more than 1.22 meters (4 feet) inside the right-of-way line unless approval is given by the City Engineer. All parallel buried facilities should be placed a minimum of .76 meters (30 inches); 1.22 meters (4 feet) for power, below the surface of the ground. The ditch must be backfilled to a density equal to the adjacent soil, and a proper vegetative cover established on the area disturbed. All crossings of a street will be as nearly perpendicular as possible. Any deviation must be approved by the City Engineer.

8. The applicant must agree to refrain from disturbing trees, shrubbery or any part of the landscape without approval of the City Engineer. If it becomes necessary to disturb trees or shrubbery the applicant's intentions must be plainly stated in the application which will include size and kind of trees and shrubs and disposition during installation.
9. Blasting will not be permitted within the street right-of-way except in unusual cases and only with special approval from the City Engineer.
10. The applicant must agree to notify all owners who have facilities in the area encompassed by this permit before beginning any work.
11. The applicant must agree to hold the City of Midwest City harmless for any and all damages that the utility facilities might sustain while occupying City street right-of-way.

**THIS PERMIT MAY BE REVOKED FOR NONCOMPLIANCE.**

Pipelines

Alloy/Material \_\_\_\_\_  
Size \_\_\_\_\_  
Wall Thickness \_\_\_\_\_  
Contents \_\_\_\_\_  
Mfg. Test Pressure \_\_\_\_\_  
Working Pressure \_\_\_\_\_  
Maximum Operating Pressure \_\_\_\_\_

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City Engineer \_\_\_\_\_ President, Owner or Authorized Agent \_\_\_\_\_

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Date \_\_\_\_\_ Date \_\_\_\_\_