

CITY OF BIXBY, OKLAHOMA
UTILITY PERMIT

TYPE OF INSTALLATION

Water _____
Sewer _____
Gas _____
Electric _____
Telephone _____
Other _____

(PLEASE CHECK TYPE OF INSTALLATION)

This authority executed in the original and two (2) copies this _____ day of _____, _____, by the City of Bixby, does grant to:

Applicant: _____

Mailing Address: _____

Telephone: _____

A permit to erect, construct, and maintain a _____ along, upon, or across the hereinafter said street or right-of-way, for the purpose of transporting, selling, and/or using _____ and shown on the attached drawing(s) and further described as follows:

LOCATION:

To _____ approximately _____ feet
(cross or parallel) (name of street) (N, E, S, W)
of _____
(street intersection or other definite points)

and further described as: _____ feet _____ of the _____ corner of
(N, E, S, W)

Section _____ Township _____ Range _____

The installation will be made in the following manner:

_____ (trenching, boring, pushing, overhead crossing, or other description)
Size of line: _____ Size of casing: _____

PIPELINES

Size: _____
Alloy/Material: _____
Wall Thickness: _____
Contents: _____
Mfg. Test Pressure: _____
Working Pressure: _____

ELECTRIC

Voltage: _____
Conductor Size: _____
Type of structure: _____
Ruling span: _____

OTHER

TELEPHONE

Wires/Pairs: _____
Gauge: _____
Cable Type: _____

COMMENTS: _____

City Engineer

(Applicant)

Date

Date

Before placing a utility on any City of Bixby right-of-way, a permit must be obtained, using standard forms furnished by the City. All information requested on the form must be supplied. Drawings clearly illustrating work to be performed within the right-of-way and all other utilities in the area of this permit should be provided with the permit application. A plan view will be sufficient, except where a street crossing 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. All installations must be in compliance with the City Engineering Design Standards. All permits for utilities which will not be transferred to the City of Bixby or which are not under franchise agreements with the City of Bixby must have the approval of the Bixby City Council. Other permits can be approved by the City Engineer.

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

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 approval has been obtained. No work will be done on City right-of-way on Saturdays, Sundays, holidays or after dark unless approved by the City Engineer. The City Engineer may require a preconstruction conference.
2. One copy of the approved permit must be kept at the work site for inspection by the City Engineer or his representative. The applicant will be required to have an inspector or engineer present at all times during construction to ensure that installation is made in accordance with plans and specifications approved by the City. 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 for 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. No driveways, streets, ditch liners, structures, or surfaced areas will be cut unless approved by the City Engineer.
5. All work on City right-of-way is to be done in accordance with the City Engineering Design Standards and Oklahoma Department of Transportation Standard Specifications for Highway Construction. At the conclusion of such work, the right-of-way must be cleaned up and left in a 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.
6. The applicant must furnish all flagmen, lights, barricades, and warning signs deemed necessary by the City Engineer during the construction, maintenance, or repair of his facilities on City right-of-way, as required by the Oklahoma Department of Transportation "Manual on Uniform Traffic Control Devices." In some cases, the applicant must post a performance bond in an amount determined by the City Engineer. Necessity for such bond will be determined by the City Engineer and said bond will be held in the Office of the City Clerk until the right-of-way is returned to a presentable condition.
7. When notified to do so by the City Engineer, the applicant agrees to make all changes in the facility on City right-of-way at the applicant's own expense, unless otherwise provided by law.
8. Clearance above the traffic lanes of the street at all pole line crossings should comply with applicable safety codes, and will not be less than 20 feet. All poles, posts, stubs, fixtures, down guys, wires, and other appurtenances must be kept in good repair at all times and free from weeds and brush within a 5-foot area of the installation. The facilities, when parallel to the street, will be no more than 4 feet inside the right-of-way line, unless otherwise approved by the City Engineer.
9. All encased crossings are to have casing extending a minimum of 5 feet from the outside edge of the pavement and be sealed at both ends with an approved conduit seal (standard neoprene, rubber, and comparable seals will be approved) and vented outside the right-of-way lines, unless otherwise approved by the City Engineer. The top of the conduit should be a minimum of 30 inches below subgrade and the bottom of the ditches. The casing must be designed to sustain roadway loadings, contain and divert from the roadway 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 failure. The minimum pipe size of vents is 2 inch nominal, and the vent must extend a minimum of 36 inches above natural ground level. The owner must install identification markers at each right-of-way line directly above the utility. The markers may be attached to vents or to a right-of-way fence, and should be placed over parallel underground facilities at each change in direction and not more than 1000 foot intervals. The markers may be in the owner's standard design, but must identify the owner stating address and telephone number, size of facility, and must be at least 130 square inches in

area. They must also be erected at a location plainly visible from the street.

All underground electric cables crossing a street must be placed in a conduit and be a minimum of 30 inches below the ditch flow lines. Conduit placed beneath a roadway should be steel. PVC, or fiberglass conduit may be used if it is designed to withstand highway loading and is properly protected. Mechanical protection, such as preformed concrete slabs, is to be placed approximately 18 inches above the conduit and an advance warning plastic tape, clearly identifying the facility, placed in the trench approximately 1 foot above the mechanical protection.

Encasement for underground power lines or similar facilities should comply with the above, except for the installation of vents and seals and the ability to contain and divert.

Encasement for underground telephone lines is not required.

Steel pipelines crossing the right-of-way may be installed without encasement if the installation is in accordance with Oklahoma Department of Transportation "Special Provisions for the Installation of Underground Pipelines." This special provision stipulates in part that 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 30 inches below the flow line of drainage ditches and all other drainage facilities, and must be properly protected from corrosion.

Facilities, such as water and sanitary sewer 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. AC, PVC, Polyethylene or equivalent material lines will not be permitted without the use of a conduit made of steel or equivalent material.

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 5 feet below the 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, 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 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 of more than eight hours.

If considered necessary, pressure grouting of the voids will be required when the diameter of any bore exceeds the outside diameter of the pipe by 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 assistance from 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 outside the control of access, but inside the right-of-way, should be installed as close to the right-of-way line as practical as approved by the City Engineer. All buried facilities should be placed at a minimum depth of 30 inches, except power which should be placed at a minimum depth of 48 inches below the surface. All nonferrous lines must have an electrically conductive wire, with test points, or other means of locating the pipe while it is underground. The ditch must be backfilled to a density equal to the adjacent soil, and a proper vegetative cover established on the area disturbed. Parallel overhead lines on all street right-of-way should be limited to single pole construction. All crossings of a street should be as nearly perpendicular as possible. Any deviation must be approved by the City Engineer.

All underground parallel electric cables must be placed a minimum of 48 inches below the surface. Mechanical protection, such as preformed concrete slabs, is to be placed approximately 18 inches above the cable and an advance warning plastic tape, clearly identifying the facility, is to be placed in a trench approximately 1 foot above the mechanical protection.

10. The applicant must agree to refrain from disturbing trees, shrubbery, or any part of the landscape without the 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.
11. Blasting will not be permitted within the street right-of-way except in unusual cases and only with special approval from the City Engineer.
12. The applicant must agree to notify all owners who have facilities in the area encompassed by this permit before beginning any work.
13. The applicant must agree to hold the City of Bixby harmless for any and all damage that the utility facilities might sustain while occupying City right-of-way.

This permit may be revoked for non-compliance or failure to begin work within a one-year period of date of approval.