

**BRAZOS COUNTY
PROCEDURES TO BE FOLLOWED FOR ACTIVITY
IN, UNDER, ACROSS OR ALONG
BRAZOS COUNTY ROADS, STREETS, HIGHWAYS**

Anyone proposing to conduct activity in a Brazos County Right of Way (in, under, across, or along) shall apply for a permit. Such activity, including but not limited to laying, constructing, maintaining, and/or repairing cable, conduit, pole lines, gas lines, or any other utility shall apply for a permit. To make application for a permit, the following must be submitted:

1. Complete application form (attached hereto);
2. Attach a Vicinity Map or Key Map page; and
3. Provide detailed construction drawings indicating the scope of work and compliance with the attached Brazos County Design Standards and Safety Precaution Requirements for Work Conducted in Brazos County Rights of Way.

The completed application and all of its appurtenances shall not contain any false information nor conceal any material facts.

Only after obtaining the Right of Way Permit can construction begin. Early start on any construction, other than emergency situations, will not be considered. Permitting may take up to two weeks.

A separate application must be filed for each work site.

Written notices are required:

1. 24 hours in advance of construction start up;
2. If an emergency existed, 24 hours notice after construction started; and
3. Notification that construction is complete and ready for County to inspect to ensure right of way is returned back to original condition.

Provide Notice to:

Darrell Kolwes
Phone Number (979) 822-2127 ext. 3033
Brazos County Engineer's Office
2617 SH 21, West
Bryan, Texas 77803
E-mail – dkolwes@brazoscountytexas.gov

Failure to obtain a permit and/or notify the County Engineer's Office within 24 hours of beginning construction shall constitute grounds for job shutdown.

APPLICATION FOR WATER UTILITY PERMIT
DESIGNATING PLACEMENT OF UTILITY IN COUNTY RIGHT OF WAY

TO: THE COUNTY ENGINEER OF BRAZOS COUNTY, TEXAS

Pursuant to the Texas Utility Code, Section 181.024, comes now _____ [company name], hereinafter referred to as "Company" a _____ [state] Corporation, with authority to transact business in Texas, acting by and through its duly authorized representative, and hereby petitions the County Engineer for the right to lay, construct, maintain, repair and/or operate a water line under and/or along certain County Roads as shown on drawings and diagrams attached hereto and said location described as follows:

Facility to Cross Road

Road Name & Block Number	Length of Crossing	TYPE OF CONSTRUCTION (CHECK ONE)			
		Bored	Jacked	Driven	Cased

Facility to Parallel County Road Within Right-Of-Way

Road Name and Block Number	From	To	Depth	Distance

CONSTRUCTION TYPE

_____ Diameter _____ Wall Thickness

Material Specification _____

Maximum Operation Pressure _____

The location and description of the proposed installation and appurtenances must be fully shown on the attached detailed drawings.

The Company shall commence actual construction/work in good faith within 60 days from the date of said permit and shall complete said construction /work within _____ working days. (COMPANY MUST FILL IN). If such construction is not begun by the 60th day, Company will be required to apply for a new permit.

Company declares that prior to filing this application, it has ascertained the location of all existing utilities, both aerial and underground, and the filing of this application is prima facie evidence that the proposed installation will not conflict with any existing utility.

A copy of this permit shall be kept at the job site any time work is being performed.

It is expressly stipulated that this Permit is a license for permissive use only and that the placing of facilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder.

It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the holder and the holder will at all times assume risk of and indemnify, defend and save harmless Brazos County from and against any and all loss, damages, cost or expense arising in any manner on account of the exercise or attempted exercise by said holder of the aforesaid rights and privileges.

Any deviation from these specifications must be approved by Brazos County Engineer's Office or its designated representative.

Approval of County Engineer's Office may take as long as two weeks after complete application is received.

Applicant agrees to comply with all rules of the County Commissioners and the County Engineer in construction of said installation attached hereto as **BRAZOS COUNTY DESIGN STANDARDS AND SAFETY PRECAUTION REQUIREMENTS FOR WORK CONDUCTED IN BRAZOS COUNTY RIGHTS OF WAY** and incorporated herein for reference.

In the event Company fails to obtain a permit prior to the installation or does not install utilities in compliance with installation requirements set forth herein (i.e. depth, location, etc), Company assumes all financial responsibility for damages and/or destruction of lines, cables, etc. based upon its failure to comply with Brazos County requirements.

Applicant agrees that if Brazos County demonstrates a violation of the terms of this policy, Applicant stipulates that requisites for injunctive relief exist and that Brazos County is entitled to relief enjoining any conduct by applicant which is contrary to the policies.

This permit is a revocable permit. Brazos County reserves the right to revoke this permit at any time, in the sole discretion of Brazos County, for interests of public health, safety or welfare, or for failure to repair any damages upon demand, or for any other reason deemed sufficient by Brazos County.

In the event Company fails to comply with any or all of the requirements as set forth herein, the County may take such action as it deems appropriate to compel compliance. The County Engineer further retains the right to revoke this Permit by verbal notification to the Applicant/Company.

Failure to obtain this permit and/or notify the County Engineer's Office within 24 hours of beginning construction shall constitute grounds for job shutdown.

By signing below, I certify that I am authorized to represent the Company listed below, and that the Company agrees to the conditions/provisions included in this permit.

Company Name

By:

Signature

Title

Address

City

State

Zip

Telephone Number

Email:

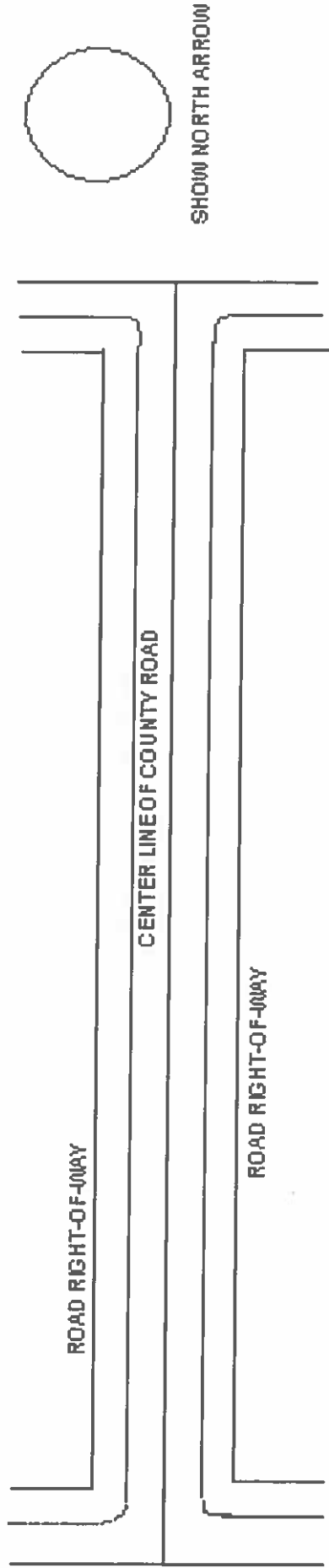
WATER UTILITY APPROVAL

Brazos County offers no objection to the proposed location of the utility in the County right of way as shown by accompanying drawings and notice dated _____ except as noted below:

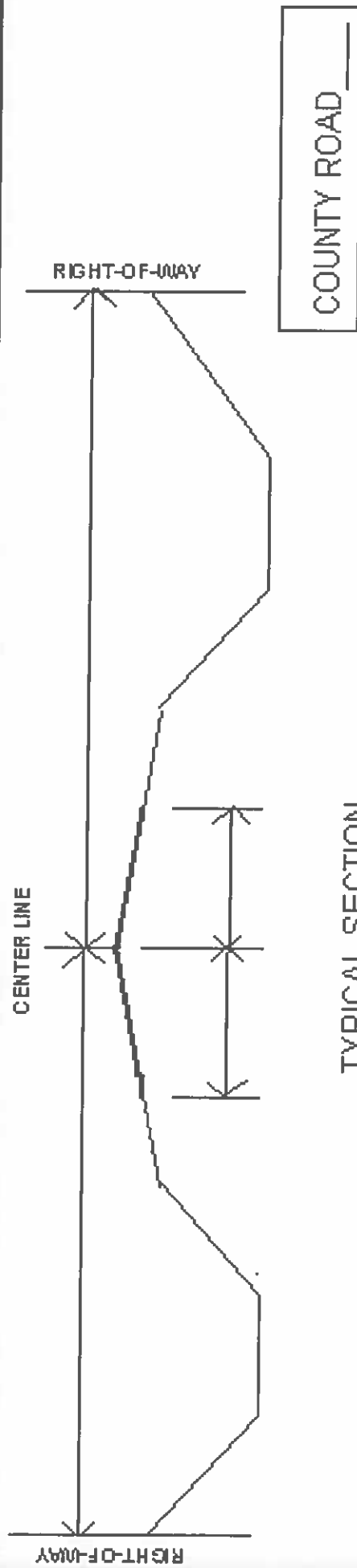
(Month/Day/Year)

EXCEPTIONS:

Brazos County Engineer



PLAN VIEW



TYPICAL SECTION

1. IN CROSSING ROAD OR GOING ALONG RIGHT-OF-WAY, SHOW DEPTH & LOCATION OF CONSTRUCTION IN TYPE SECTION & PLAN
2. IN PLAN VIEW SHOW DISTANCE FROM YOUR CONSTRUCTION TO NEAREST INTERSECTION
3. IF ABOVE PLAN VIEW AND/OR TYPE SECTION IS NOT APPLICABLE, THEN SHOW APPLICABLE PLAN AND/OR SECTION

**BRAZOS COUNTY ROADWAY SAFETY AND ROAD
PRESERVATION STANDARDS FOR WORK CONDUCTED IN
BRAZOS COUNTY RIGHTS OF WAY**

A. General Requirements

1. Adequate drainage shall be maintained in ditches at all times.
2. Permittee will use best management practices (“BMP”) (EPA and TCEQ both provide lists of examples of BMPs) to minimize erosion and sedimentation resulting from the proposed installation.
3. The permittee shall take precautions to avoid damage to property. All County Right of Way and property shall be restored to its original condition, as far as practical, in the opinion of the County Engineer or appointed representative.
4. The construction and maintenance of such utility shall not interfere with the property or rights of a prior occupant.
5. Permittee shall not interfere with other utilities located in the right of way. In the event damages occur, permittee will be liable to the County or other utilities running through the right of way.
6. County Engineer shall determine whether or not permittee’s plans shall inconvenience the public. If it is determined that inconvenience to the public exists, then the County Engineer will decide whether such project will be allowed or if an alternative exists so as not to inconvenience the public.

B. Safety Requirements

1. Proper traffic control measures must be put in place prior to beginning work and remain in place during the duration of the job. All traffic control measures must follow the Texas Manual of Uniform Traffic Control Devices (TMUTCD). See Traffic Control Requirements below.
2. During construction, all safety regulations of the Texas Department of Transportation shall be observed.
3. Permittee must take such precautions and measures, including placing and displaying safety devices, as may be necessary, in order to safely conduct the public through the project area. Company shall provide flagmen, signs, signals or devices necessary to provide complete safety to the public.
4. Adequate provisions must be made to cause minimum inconveniences to traffic and adjacent property owners.
5. No cable, conduit and/or pole line shall be laid, constructed, maintained and/or repaired so as to constitute a danger or hazard of any kind to persons or vehicles using such road. Any poles placed in the Right of Way for future installation shall be placed at the back of the Right of Way. Exceptions may be approved by the County Engineer.

C. Traffic Control Plan

1. A traffic control plan, pursuant to the TMUTCD or Engineered Traffic Control Plan must be provided for the following:
 - a. Any construction (i.e. pit, excavation, hole) left open overnight, requires specific nighttime traffic control measures pursuant to the TMUTCD;

- b. If construction is within ten (10) feet of the roadway; or
 - c. Any work performed in the road right-of-way;
2. Plan must be attached to the permit and kept at the job site any time work is being performed.
 3. Plan must set forth the time of completion for the job.

D. Design Standards

1. All overhead installations shall conform to clearance standards of the Texas Department of Transportation and the pole be placed in the designated area for power specified as set forth in the *Texas Utilities Code, Section 181.045*.
2. All pole installation (including lighting) shall be placed at the backside of the Right of Way to ensure safety to the public. Any pole placed in violation of this requirement will be required to be moved to the appropriate location at the company's expense. Exceptions may be approved by the County Engineer.
3. All underground installations shall (these are minimum depths – utility may place deeper):
 - a. be placed at a minimum depth of forty-eight (48) inches below the top of the pavement;
 - b. be at least thirty-six (36) inches below ditch flow line when installation is within the area measured from top of bank to top of bank;
 - c. be at least forty-eight (48) inches below ditch flow line if low pressure gas or petroleum lines. For high pressure gas and petroleum lines, see High Pressure Pipelines requirements listed below;
 - d. not be closer than ten (10) feet from the edge of pavement. Exceptions may apply in rights of way of less than 60 feet.
4. Water Lines: All water lines must be a minimum 36-inches below the ditch flow line and cased. Waterlines shall be cased if crossing under the roadway.
5. Utilities in all new developments that have 60 feet or greater of right of way shall be installed within designated locations based upon the type of utility. The locations shall be as follows: (measured from back of right-of-way).
 - Power – 0 to 2 feet, nominally 1'
 - Phone – 2 to 4 feet, nominally 3'
 - Gas – 4 to 6 feet, nominally 5'
 - Cable – 6 to 8 feet, nominally 7'
6. Utilities with less than 60 feet right-of-way in all new developments shall install the utility in a similar manner as referenced in No. 3 above; however, the County Engineer or its designated representative will provide final approval of each utility location.
7. The length of any trench to be opened in advance of the pipe, conduit or ducts may not be longer than 400' if left open over night or unattended.
8. Crossings under a county road shall:
 - a. be bored or jacked. **ABSOLUTELY NO OPEN CUTS WITHIN COUNTY ROAD PAVEMENT;**
 - b. be pressure grouted for the full length of the crossing *if* the annular space between pipe and casing and soil exceeds one (1) inch. Brazos County must be given 24 hours notice of pressure grouting operations and have the opportunity to have an inspector on site to observe pressure grouting operations;

- c. TxDOT Standard Specification Item 476 shall be followed for all boring, jacking, tunneling and joints.
9. Bore Pits:
 - a. no pits shall remain open longer than 2 days;
 - b. all pits shall have proper traffic control measures in place. See Traffic Control Plan listed above.
 - c. pits shall NOT be located within ten (10) feet from the edge of pavement without prior approval from the County Engineer or his representative;
 - d. when pits are to remain open for more than 8 hours, due diligence will be used in protecting the spoil pile to prevent drainage problems;
 - e. based upon soil conditions, the County Engineer or his representative may require shoring to protect pavement integrity;
 - f. based upon soil conditions, the County Engineer or his representative may require pits be placed further from the edge of road.
 10. Any installation within ten (10) feet of edge of pavement shall meet the following:
 - a. location must be approved by the County Engineer or his representative
 - b. backfilled with cement stabilized material.
 - c. based upon soil conditions, the County Engineer or his representative may require shoring to protect pavement integrity.
 - d. all excess water and mud shall be removed from the trench prior to backfilling. Any backfill placed during a rainy period or at other times where excess water cannot be prevented from entering the trench will be considered TEMPORARY and shall be replaced with PERMANENT cement stabilized material as soon as weather permits;
 - e. all disturbed base and pavement materials shall be removed and restored to the satisfaction of the County Engineer or his representatives.
 - f. no side or lateral tamping to fill voids under the base and pavement materials is allowed.
 11. Company must be careful to not jeopardize the slope or integrity of the shoulder of the road. In the event Company damages the slope, shoulder or any other portion of the right-of-way, Company will be responsible for repairing the damage and replacing the right-of-way to the condition it was prior to commencing construction.
 12. Operation of construction and/or maintenance equipment on the traveled surface of any improved County road will not be permitted, except in an instance whereby the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines cannot be accomplished by any other method and in this event all such equipment shall be of the rubber tire variety. Appropriate traffic control shall be provided meeting TMUTCD requirements.
 13. In the event said construction and/or maintenance and/or repair requires Company to remove, cut or jeopardize any section of the road (asphalt, cement, road base, etc.), Company will be required to provide a performance bond or letter of credit securing necessary repairs. Said bond amount will be determined by the County Engineer.
 14. The applicant shall submit a letter of "No Objection" from the Army Corps of Engineers for all designated wetlands and environmentally sensitive lands.

E. Emergency work

1. In the event Company is required to perform emergency services, that requires excavation in a County Right of Way, and unable to notify the County Engineer prior to conducting emergency repairs, Company

shall notify County Engineer within 24 hours of beginning construction/repairs. This will allow the County Engineer's Office an opportunity to inspect the site to ensure the integrity of the County Right of Way and traffic safety controls used.

F. Repairs to existing facilities

1. Maintenance and/or repair to existing cables, conduits, and/or pole lines which require disturbance of the soil, shall not be performed until plans describing such maintenance and/or repair have been approved by the County Engineer or its designated representative and a permit has been obtained.

G. Relocation of utilities

1. When and if the County Engineer determines that it is necessary for the construction, repair, improvement, alteration or relocation of all or any portion of said road, any or all poles, wires, pipes, cables or other facilities and appurtenances authorized hereunder, shall be removed from said road, or reset or relocated thereon, as required by the County Engineer within a reasonable time as determined by the County Engineer and Utility Company, and at the expense of the Utility Company.

H. High Pressure Pipelines

1. All utility Permits for high pressure pipelines (generally 60 PSI or greater), whether pertaining to controlled access or non-controlled access installations, should contain the following additional information in the description of the permit.

- diameter
- wall thickness
- material specification
- minimum yield strength
- maximum operation pressure of the pipeline

2. With the exception of the maximum operation pressure of the pipeline, this information is to be supplied for both the carrier pipe and the casing.
3. Assurance must also be given that the installation material and design meet the minimum Federal Safety Standards for Liquid and Gas Pipe Lines. Assurance must be provided on company letterhead and signed by an authorized representative of the company.

4. Petroleum Pipelines:

<u>Type of Pipeline</u>	<u>Depth (below deepest ditch grade)</u>	<u>Special Requirements</u>
Encased Pipe	Less than 10'	Must be covered with concrete pad at least 36" deep
Encased Pipe	Greater than 10'	No concrete pad required
Non-Cased Pipe	Less than 10'	Must be covered with concrete pad at least 48" deep
Non-Cased Pipe	Greater than 10'	No concrete pad required

Concrete pad shall be minimum of 3" thick and width shall be pipe diameter plus 18" minimum.

5. Under no circumstances will a pipeline be installed parallel to a County Road within the Right-of-Way. Transmission lines have been determined to be petroleum pipelines (which includes natural gas lines) and shall not be parallel to a County Road.
6. Natural Gas Distribution is a line that serves the final customer.