



BOARDWALK

Developer's Handbook



TABLE OF CONTENTS

Introduction	Page 4
First Things First	
• Safety and Reliability	Page 4
Pipeline Facilities Overview	Page 5
Boardwalk Right of Way Agreements	Page 5
How Is Boardwalk Regulated?	Page 5
How Boardwalk Handles Encroachments	Page 6
• About The Permit	
• About The Reimbursement Agreement	
Encroachment Requirements	Page 8
Plan Design and Review Requirements	Page 11
Notification and Construction Safety Requirements	Page 12
Call Before You Dig	Page 12

Disclaimer:

It is the developer's responsibility to be aware of laws, rules, and regulations applicable to its activities. Developers should not rely solely on this handbook. The representations made herein are for general information purposes only, and Boardwalk does not guarantee the accuracy of the information. Boardwalk Pipeline Partners also reserves the right to periodically update, amend, revise, and make changes to the guidelines and terms identified in this publication.





BOARDWALK



PIPELINE PARTNERS®



TO ALL HANDBOOK USERS

This handbook outlines the standards and procedures to be followed when planning land use development on or near the right of way of subsidiaries of Boardwalk Pipeline Partners, LP. These subsidiaries include Gulf Crossing Pipeline Company LLC; Gulf South Pipeline Company, LP; Texas Gas Transmission, LLC; Boardwalk Louisiana Midstream, LLC; Boardwalk Petrochemical Pipeline, LLC; Boardwalk Storage Company, LLC; Boardwalk Field Services, LLC; and Boardwalk Texas Intrastate, LLC (collectively, "Boardwalk"). The terms right of way and easement are used interchangeably throughout this handbook and have the same meaning. This handbook is intended for use by city and county/parish planners, engineers, developers, land surveyors and anyone involved in the initial stages of land development. If Boardwalk is included in the initial planning stages, project delays can be avoided and safe development practices in the vicinity of pipelines can be attained.

The handbook is designed to make you aware of the most common standards and procedures Boardwalk typically requires to protect its facilities in areas of changing land use. However, each proposed development or activity requires a case specific evaluation with a qualified Boardwalk representative.

Please become familiar with the contents of this handbook.

If you have further questions or need assistance, please call Boardwalk at:

1-855-DIG-SFLY - (1-855-344-7359)

I. First Things First

Safety

Boardwalk is committed to ensuring the safety and reliability of its facilities.

According to the Federal Department of Transportation, the transmission of natural gas and liquids through pipelines is the safest means of transportation. The industry has an excellent safety and reliability record. Boardwalk has thorough policies and procedures to prevent pipeline failures. While pipeline failures can result from a number of different causes, damage by outside force from a third party is the leading cause of pipeline failures.

Reliability

Boardwalk is committed to providing safe and reliable natural gas and liquids transportation service. Communities, factories, hospitals, power plants, businesses, and residences depend on our transportation services for energy to generate heat and electricity.

Boardwalk is committed to ensuring the safety and reliability of its facilities. Boardwalk does not encourage or support any development or encroachment that interferes with the operation or maintenance of its pipelines. In those cases where development or encroachment cannot be avoided, we need your help to ensure the safety and reliability of our facilities. As a responsible developer, contractor, or other party engaged in any ground disturbing activity near pipeline(s) and/or related facilities, we urge you to read and understand the guidelines presented in this publication.



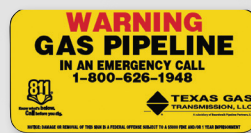
II. Pipeline Facilities Overview

Boardwalk owns and operates more than 14,000 miles of interstate and intrastate pipelines. The transmission operation includes high-pressure steel pipelines and low-pressure pipelines of other materials ranging in diameter from two inches (2") to forty-two inches (42"), storage facilities, compressor stations, meter stations, cathodic protection equipment, valve sites, and other facilities.

In accordance with federal and state regulations, Boardwalk identifies the location of its pipeline(s) and/or related facilities by installing permanent pipeline markers, similar to the ones shown on this page, near road, rail, water, fence, and underground utility crossings. Pipeline markers may also be strategically placed in extensive areas of open ground to delineate the location of the pipeline.

The maintenance of pipeline markers and an open, clear right of way at all times is critical to public safety. Construction or development near transmission pipelines increases the probability of damage. It is the responsibility of Boardwalk, individual landowners and contractors to ensure that all temporary and permanent pipeline markers installed by Boardwalk are protected and maintained at all times, especially during construction.

Removing or defacing a pipeline marker is a federal criminal offense.



III. Boardwalk Right of Way Agreements

A. Description

Most of Boardwalk's existing pipeline right of way was acquired through right of way agreements. Successive purchasers acquire the affected property subject to Boardwalk's rights. Generally, the landowner has the right to use and enjoy his or her property, as long as that use does not interfere with Boardwalk's rights.

B. Width

When the original pipeline routes were selected, agricultural, forested or rural environments were deliberately chosen whenever possible. In some cases, the original right of way agreement did not specify a defined easement width or

location on the land covered by the agreement and, therefore, included large sections of land not completely traversed by the pipeline.

Where defined, Boardwalk's easement varies in width, depending on factors including the number of pipelines in the right of way, the diameter of the pipeline(s), and the terrain.

C. Amendments or Modifications

As the rural environment is altered and land developments are proposed, Boardwalk, at the request of the landowner, may elect to amend or modify the right of way agreement to reflect the changing land use. Boardwalk may work with developers to incorporate the easement into the project design, including consent to use the easement as a "greenway" or open space area, so long as that use does not interfere with Boardwalk's ability to use and enjoy the acquired easements and associated rights.

IV. How Is Boardwalk Regulated?

A. Federal

Boardwalk Field Services' and Boardwalk Texas Intrastate pipelines are regulated by the Texas Railroad Commission while the other regulated pipelines are overseen by the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA). All of the Company's regulated pipelines must meet all pipeline safety regulations included in Title 49, Code of Federal Regulations, Parts 192 or

195.

Those parts prescribe the minimum standards for the safe operation of pipelines. The denser the population, the more stringent the standards for pipeline design, maximum allowable operating pressure, frequency and type of patrols, and leak surveys.

B. State

All of the states in which Boardwalk operates have damage prevention laws for the protection of pipelines and other underground utilities. Most states require excavators to notify local one call centers of excavation plans. Boardwalk participates in all one call centers that serve the areas where Boardwalk owns facilities.

Some jurisdictions provide for treble damages resulting from a

failure to notify under the one call center.

- Activities/work extend into the easement.

C. City & County/Parish

Local governments often play a major role in regulating land use by means of comprehensive planning and zoning.

Some counties/parishes require an additional building setback from the pipeline easement. Please check local codes before submitting plans to Boardwalk for review.

V. How Boardwalk Handles Encroachments

It is Boardwalk's philosophy to prevent encroachments when possible by working with agencies and developers to design projects outside the pipeline easement. Many of Boardwalk's right of way agreements prohibit encroachments, and Boardwalk will enforce applicable provisions in its right of way agreements where it believes the continued safe operation and maintenance of the pipeline could be threatened.

Where Boardwalk determines that an activity can be undertaken without jeopardy to the pipeline system, Boardwalk may negotiate with the encroaching party to either secure an encroachment permit, or a recordable encroachment agreement (collectively "Encroachment Permit"), or Boardwalk may issue a "Letter of No Objection." The form used is determined based on the type and scope of activity proposed.

In some cases, there may be a significant delay between the review of a developer's plans and actual construction. If delays occur, all construction and maintenance activities are subject to Boardwalk's requirements in effect at the time the work takes place.

An encroachment may also require cost reimbursement to Boardwalk. Typically, Boardwalk will seek reimbursement for projects that require significant design review, engineering investigation, field inspections, legal consultation, or facility modification.

About The Permit

The Encroachment Permit will contain all pertinent conditions to be followed by the encroaching party for the planned activity and for certain types of developments. It is reviewed and is generally issued to the encroaching party either on-site or to an office location through a trackable delivery method (e.g., FedEx®).

When is an Encroachment Permit required?

An Encroachment Permit is required when:

- Activities/work cross under or over the pipeline; or

Examples of such activities/work may include, but are not limited to:

- Street, road, driveway, and other paved surface crossings;
- Drainage projects;
- Blasting or use of explosives in the vicinity of Boardwalk facilities;
- Activities in the vicinity of Boardwalk fee property and rights of way that may jeopardize Boardwalk facilities;
- Fencing (ornamental and standard);
- Vehicular and equipment crossings;
- Utility crossings, all size and material pipelines, drainage and sewer lines;
- Residential and commercial communications lines, electrical lines, sprinkler systems; and
- Permanent facilities associated with adjacent commercial or residential developments.

Other activities subject to an Encroachment Permit are



determined on a case-by-case basis.

Who initiates the Encroachment Permit?


Once aware of the planned development activities, a Boardwalk representative generally initiates the Encroachment Permit. This permit must be executed before work begins. In the event work begins without a permit in place, Boardwalk may take steps to prevent further activity.

About The Reimbursement Agreement

When is a Reimbursement Agreement Required?



WARNING
GAS PIPELINE
IN AN EMERGENCY CALL
1-800-850-0051



GULF SOUTH
PIPELINE
A subsidiary of Bechtel-Piperack Partners, LP

NOTICE: DAMAGE OR REMOVAL OF THIS SIGN IS A FEDERAL OFFENSE SUBJECT TO A \$5000 FINE AND/OR 1 YEAR IMPRISONMENT

WARNING
DANGER TO LIFE AND LIMB
DO NOT REMOVE OR DESTROY THIS SIGN

An Encroachment Permit is required when activities/work cross under or over the natural gas and hazardous liquids pipelines, extending into the right of way. Examples of such activities/work may include, but are not limited to street, road, driveway, and other paved surface crossings.

A reimbursement agreement is typically required for activities/work, which require preliminary engineering and/or field inspection services by Boardwalk personnel.

In addition, Boardwalk will seek a reimbursement agreement for any third party activity/work that requires modification of Boardwalk facilities. Such modifications include, but are not limited to, pipeline casing extensions, pipeline relocations or replacements, and pipeline cathodic protection facility modifications.

Who initiates the Reimbursement Agreement?

The agreement is initiated by a representative of Boardwalk and must be executed before any work, preliminary engineering, or field inspection services are performed by Boardwalk.

VI. Encroachment Requirements

Boardwalk has a multifaceted safety responsibility. Landowners, business owners, federal and local authorities, and the general public rely on us to operate our assets safely and reliably. Our encroachment program is one process that assists us with protecting the integrity of our pipelines. Boardwalk has developed a set of standard encroachment guidelines that are used to help our neighbors become aware of potential conflicts and activities that may lead to unsafe and even dangerous situations. The following is a list of the most common standards and procedures Boardwalk uses to maintain the integrity of its facilities in areas of changing land use. We appreciate your effort to design and build safely around Boardwalk's facilities, and we recognize that some proposed land use projects may have seemingly unavoidable conflicts with some of the standard encroachment requirements. From your first contact with Boardwalk personnel, we can begin to assist you by gathering your project specific information and assigning a qualified Boardwalk representative to review the information and work with you to find solutions. The following are Boardwalk's standard requirements for most proposed

Notification is the Law!

encroachments. For a review of your individual situation, please contact your local Boardwalk office.

“One Call Center” systems require 48-72 hours notice prior to excavation activities. Check your local requirements.

A. General Requirements for Surface Alterations

- No above ground structures or appurtenances are to be

located within the Boardwalk right of way.

- Prior to and during any surface disturbing work performed within or near the right of way, an authorized Boardwalk representative must be notified and given the opportunity to be on-site. Boardwalk's representative will assist you in determining the location of the pipeline, the right of way width, and existing cover over the pipeline.
- If planned activities could change the existing drainage across Boardwalk's right of way, an authorized Boardwalk representative must be notified and given the opportunity to review and approve the proposed changes to the drainage prior to any surface disturbing work performed within or near the right of way.
- No removal or addition of dirt on the right of way is permitted without prior Boardwalk approval.
- Boardwalk may require submittal of plan and profile drawings for prior review and approval. All drawings must show, in detail, any nearby Boardwalk facilities and other features that will allow Boardwalk to determine the effects of the proposed construction or maintenance activity on its facilities.
- Boardwalk may request evidence of general liability and other appropriate and usual insurance prior to any activity and/or construction on or near Boardwalk rights of way. In the event of excavation near pipelines, Boardwalk must be named as an additional insured to any such policy. Any rights of subrogation or recovery will be waived in favor of Boardwalk. The insurance limits, terms and conditions that may be required will be dependent on the specific facilities potentially impacted and what would be usually and prudently obtained in similar industry situations.

B. Foreign (or Third-Party) Pipeline Crossings

These Guidelines shall be followed:

- All foreign (or third-party) lines crossing Boardwalk's right of way shall be installed in accordance with all applicable codes and requirements governing such installations.
- All foreign lines shall cross Boardwalk's right of way at an angle as close to 90 degrees as practical. Parallel occupancy of Boardwalk's right of way is not permitted.
- Boardwalk's pipelines are electrically protected against corrosion. At Boardwalk's request, metallic foreign lines that enter or cross Boardwalk right of way must have

test leads installed. In addition, Boardwalk personnel must be provided an opportunity to install test leads on Boardwalk existing pipelines. All necessary measures (coatings, electrical bonds, etc.) shall be taken to ensure that the proposed pipe or utility is adequately protected from potential interference. Additionally, no horizontal or vertical ground beds will be permitted in Boardwalk's right of way.

- All foreign lines crossing Boardwalk's pipeline(s) and/or related facilities shall be installed with a minimum of twenty-four inches (24") of clearance between the existing Boardwalk pipeline(s) and/or related facilities and the proposed foreign line. The foreign line shall be installed at a uniform depth across the full width of Boardwalk's right of way. Boardwalk may require that foreign lines be installed under its existing pipeline(s) and/or related facilities.
- Boardwalk may require that foreign lines be identified with permanent above ground markers, where the lines enter and exit Boardwalk's right of way. It is the foreign line owner's responsibility to obtain any rights to install the markers and to maintain the markers.
- If the foreign pipeline is installed by open cut, a direct burial warning tape shall be placed twelve to eighteen inches (12-18") above the foreign line and extend across the entire width of Boardwalk's right of way.

C. Fences

- Fence posts cannot be installed within four feet (4') of any Boardwalk pipeline. Boardwalk may require that excavation for installation of fence posts installed within its right of way be performed via hand digging.
- Boardwalk must retain the free right of ingress and egress. Boardwalk may require that new fences have a twelve foot (12') wide gate installed within the right of way at a location approved by Boardwalk.

D. Landscape Guidelines

- Trees and, in most cases, shrubs are not permitted on the right of way.
- With prior written Boardwalk approval, some types of shrubs may be permitted on the right of way, provided such shrubs do not interfere with the operation, maintenance, inspection, and signage of the pipeline(s) and/or related facilities. Under no circumstances will mechanical equipment be allowed for planting of shrubs on the right of way.

- Boardwalk reserves the right to cut and/or remove plantings on the Boardwalk right of way as required in the operation, inspection, and maintenance of its pipeline(s) and/or related facilities; further, Boardwalk assumes no responsibility for any cost involved in the restoration and replacement associated with the removal of such landscape plantings.

- All sprinkler or irrigation systems will require review by a Boardwalk representative. Sprinkler heads will not be permitted within ten feet (10') of any Boardwalk pipeline. All crossings of the pipeline with feeder lines must be hand dug unless otherwise approved by Boardwalk technical personnel.
- Boardwalk may require that a recorded Encroachment Permit be executed by all parties prior to any landscaping.

E. Highways, Roads, Streets and Driveways

- Boardwalk must complete a preliminary engineering review for all highways, roads, streets, driveways, etc, proposed on the right of way. Any pipe casing, concrete slabs, or other protection required by Boardwalk shall be installed by Boardwalk at the expense of the encroaching party. Boardwalk may require a pipeline inspection prior to construction.
- Access to the earthen cover over the pipeline must be maintained for leak detection and cathodic protection surveys.
- Boardwalk requires a minimum cover of at least sixty inches (60") of earthen fill between any proposed road surface material and the top of Boardwalk's pipeline(s) at all highways, roads, streets, driveways, etc. The recommended minimum cover over Boardwalk's existing pipelines in adjacent borrow ditches is 48 inches (48"). All clearance requirements will be site specific and may be increased or decreased based on Boardwalk engineering review.
- Highways, roads, streets, driveways, etc. crossing Boardwalk's pipeline(s), and/or related facilities shall cross at an angle as close to 90 degrees as practical. All crossings must be over straight pipe and at locations free of any other crossovers. Parallel occupancy of the right of way shall not be permitted.
- Boardwalk may require a recorded Encroachment Permit. Boardwalk will retain the right to cut all proposed highways, roads, streets, driveways, etc. and will have no responsibility for restoration, loss of use or access, or

any other costs.

F. Temporary Equipment Crossings

To protect Boardwalk pipelines from external loading, Boardwalk must perform an engineering evaluation to determine the effects of any proposed equipment use. Mats, timber bridges, and other protective materials deemed necessary by Boardwalk may be required over Boardwalk's facilities for the duration of any loading. Protective materials shall be purchased, placed, and removed at no cost to Boardwalk. The right of way must be restored to its original condition, or better, on completion of such external loading.

Boardwalk may require markings to identify specific areas where equipment use is authorized. Vibratory equipment is not permitted on the right of way.

G. Drainage, Impoundment of Water and Erosion Control

- Boardwalk may conduct preliminary engineering studies for any proposed drainage channels or ditches within its right of way. Drainage channels or ditches must be adequately protected from erosion and provide a minimum of 48 inches (48") of cover over the pipeline(s). Altering (clearing, regrading, or changing alignment of) an existing drainage channel or ditch requires prior Boardwalk approval. All clearance requirements will be site specific and may be increased or decreased based on Boardwalk engineering review.
- Impoundment of water on the right of way is not permitted.
- Soil erosion control measures shall not be installed within the right of way without prior Boardwalk approval.

H. Excavations and Blasting

- Plans for excavation on the Boardwalk right of way require prior Boardwalk approval. No machine excavation shall be performed within 24 inches (24") of Boardwalk's pipeline(s). Boardwalk's on-site representative may require hand digging at a distance greater than 24 inches (24").
- When a backhoe is used, the bucket teeth should be curled under each time the bucket is brought back into the ditch to reduce the chance of the teeth contacting the pipeline. A bar shall be welded across the teeth and side cutters removed from the bucket.
- Prior to any plowing or ripping of soil on the right of way, particularly in association with agricultural activities, review your plans with your local Boardwalk representative to ensure that proper cover exists.
- Boardwalk may require engineering evaluation of all

excavation activities which necessitate unsupported pipeline spans ten feet (10') in length or greater.

- Boardwalk recommends all blasting parties monitor vibrations at the pipeline(s) within one thousand feet (1000') of planned blasting activities. Boardwalk accepts a Peak Particle Velocity of 4 inches per second (4 in/sec PPV) at the pipeline. Boardwalk may require seismic monitoring and a detailed blasting plan be submitted for review and authorization prior to any proposed blasting within a distance of two hundred fifty feet (250') of Boardwalk pipeline(s) and/or related facilities.

I. Buried Communication (Telephone, TV, Data Transmission, Fiber Optic) and Buried Power Line Crossings

- All buried communications (other than single residential telephone and cable TV) crossing Boardwalk's facilities shall be installed in rigid casing (minimum of Schedule 40) for the full width of the right of way.
- All buried electric cables except 24 volt DC power lines (including single residential service drops) crossing Boardwalk's facilities shall be installed in rigid casing (minimum of Schedule 40) for the full width of the right of way.
- All buried single residential telephone, cable TV and 24 volt DC power lines shall be encased in plastic conduit for the full width of the right of way.
- Boardwalk may require additional protection such as concrete encasement or a six inch (6") thick concrete barrier to be installed above the cables during the open cut installation.

J. Sanitary Sewer and Water Crossings

All sewer and water lines shall be either: 1) ductile iron or steel pipe (adequately protected from Boardwalk's cathodic protection system) or 2) plastic pipe installed in rigid casing (minimum of Schedule 40) for the full width of the right of way. No piping connections will be allowed within five feet (5') of any Boardwalk pipeline.

K. Combustible Material Lines

- All plastic combustible material lines shall be installed in rigid casing (minimum of Schedule 40) for the full width of the right of way.
- Boardwalk may require that steel combustible material lines (adequately protected from Boardwalk's cathodic protection system) be installed under the existing Boardwalk pipeline(s) and/or related facilities. In addition, Boardwalk may require additional protection for steel combustible material lines, including concrete

encasement or concrete caps.

L. Bored Crossings

- Boardwalk may require that the existing pipeline(s) and/or related facilities be test pitted (or otherwise physically verified) to verify the location of the pipe prior to any proposed boring operations. Typically, traditional bores (“slick bore”) require a minimum of five feet (5’) clearance between the existing Boardwalk pipeline(s) and/or related facilities and the proposed foreign pipeline. If the proposed foreign pipeline will be installed by means of a horizontal direction drill (HDD), a minimum of ten feet (10’) clearance will be required. Boardwalk may require submittal of both plan and profile drawings for appropriate review prior to any proposed boring operations.
- Prior to any boring, inspection holes will be excavated to verify the depth of the bore as it approaches each pipeline. The owner of the proposed facility or its contractor shall provide and maintain instrumentation to accurately locate the boring head.

M. Overhead Line Crossings

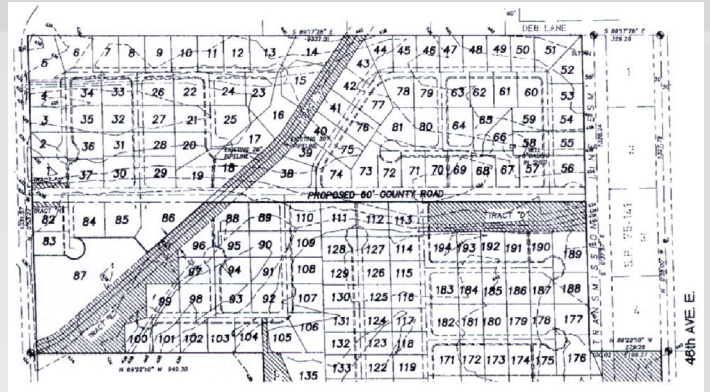
- Overhead line crossings shall be installed with a minimum of 30 feet (30’) of vertical clearance above the Boardwalk right of way to provide adequate equipment clearance. No poles or appurtenances shall be located on the Boardwalk right of way.
- Overhead line crossings shall not be installed within 25 feet (25’) (measured horizontally) of any gas vent (e.g. relief valve, blow-down vent).
- Overhead lines shall cross Boardwalk’s facilities at an angle as close to 90 degrees as practical. Parallel occupancy of the Boardwalk right of way will not be permitted.

N. Disposal Systems

No septic tanks, liquid disposal systems, or hazardous waste disposal systems will be allowed on the right of way or within 25 feet (25’) of Boardwalk facilities. This prohibition includes, but is not limited to, facilities that have the potential of discharging effluent from sewage disposal systems, the discharge of any hydrocarbon substance, the discharge or disposal of any regulated waste, or any other discharge that could prove damaging or corrosive to Boardwalk facilities.

VII. Plan Design and Review Requirements

A. Subdivision Plans



Drawing of Pipeline Easement in Subdivision

Boardwalk requires a minimum of 30 business days lead time to review preliminary plans for impacts to the right of way and to insure that all proposed improvements are designed according to applicable Boardwalk and governmental requirements.

An Encroachment Permit is usually executed between Boardwalk and the developer/landowner to cover the new land use.

After Boardwalk is notified via the one call center, Boardwalk representatives will work with your surveyor(s) and will mark the location of our pipeline(s) and/or related facilities.

B. Ideal Subdivision Layout

Guidelines for an ideal subdivision layout will include:

- Boardwalk’s easement identity is clear and easily marked.
- Boardwalk’s crews can undertake emergency repairs quickly.
- Layout should minimize the number of lots that are affected by the easement, which reduces the chance of unintentional contact with a pipeline.
- Routine maintenance and inspections are not hindered.
- If roads or streets are proposed to cross Boardwalk easements, there shall be at least two traffic routes for ingress and egress, due to the possibility of one being



Aerial View of Ideal Easement in Developed Area

blocked in the event of a pipeline emergency situation.

- Individual lot lines do not cross or parallel Boardwalk's rights of way.

When the proposed development plans call for dedication of a street or road right of way to the city, county/parish, or state, Boardwalk's easement is superior to such dedication, and Boardwalk's rights are not diminished.

C. Street or Road Crossing Plans

Any street or road crossing plans require the following:

- Boardwalk requires a minimum of 30 business days to review proposed road crossing plans. Additional review time will be necessary for proposed divided highways, interstate highways and other road construction projects that require pipeline modifications.
- You must provide a scope of work, description of the project, and work plans as well as profile drawings with your plans. Profiles are required to show depth of cover over each Boardwalk pipeline (existing and finished grade) and the clearance between the top of Boardwalk's pipeline and any associated utilities.
- Please include a location map showing the project site area, including sufficient geographical references, such as legal property lines, roads, and appropriate deed information to the properties impacted.
- When a developer's acquisition or dedication of new right of way requires relocation or modification of Boardwalk facilities, the costs for such relocation or modification will generally be borne by the developer or state, county/parish, or city highway department.
- Highways, roads, streets, driveways, etc. crossing Boardwalk pipeline(s) and/or related facilities shall cross at an angle as close to 90 degrees as practical. All crossings must be over straight pipe and at locations free of any other crossovers. Parallel occupancy of the right of way is not permitted.
- Boardwalk must be given the opportunity to make a pipeline inspection prior to the start of any road or other construction on or near its easement or that will otherwise impact Boardwalk's facilities.

A. Notification

In order to prevent unnecessary delays, Boardwalk encourages close communication with our representatives throughout your entire project. We will be happy to attend preconstruction meetings when possible and provide a

safety/informational presentation to any interested parties, including contractors, local government maintenance crews, and developers. Please refer to the contact numbers found on page 4 of this handbook.

All of the states in which Boardwalk operates have "one-call" laws, which require the excavators to provide 48 to 72 hours notice, depending on local requirements, before any excavating commences. After you have placed your call to your local one call center, they will notify all participating utilities in the area of your planned excavation activities.

A Boardwalk representative will be on-site within 48 to 72 hours for all surface and subsurface activities within the pipeline easement. Any crossings made by you or on your behalf without a Boardwalk inspector on site will have to be re-excavated at your expense to provide Boardwalk an opportunity to inspect all potentially affected pipeline(s) and/or related facilities.

Protect yourself, utility companies, and the public. Call 811 before you dig.

Federal regulations (OSHA 29CFR Ch. XVII-1926.651) also require excavators to notify underground utilities prior to the start of actual excavation. Your state regulations may be more specific; in any case, failure to notify underground utility operators of excavation activities could lead to a citation.

Boardwalk's pipelines often operate at high pressures. To ensure the safety and reliability of our facilities, we may require a Boardwalk representative to be on site while you work around our pipelines. Please contact your local Boardwalk office before work begins on, or in close proximity to, a Boardwalk easement.

B. Safety Requirements

Excavations must be protected to ensure the safety of pedestrians and vehicles. Proper access into and out of the trench must be provided. Excavations must be properly sloped or shored, as required to comply with state and federal OSHA requirements.

Stockpiling brush, trash, or other debris on the easement is prohibited, as it may conceal pipeline markers or hinder pipeline inspections and/or routine maintenance. No burning is permitted on Boardwalk's rights of way (e.g. trees, limbs, refuse). Contact your local Boardwalk district office concerning

VIII. Notification and Construction Safety Requirements

Remember,



**Know what's below.
Call before you dig.**

advisable burning setback distances.

Boardwalk is committed to ensuring the safe operations of pipelines. It is essential that developers, contractors, and other parties engaged in any ground disturbing activity at or near our pipelines and/or related facilities understand and adhere to the guidelines presented in this publication.



The maintenance of pipeline markers and an open, clear right of way at all times is critical to public safety.



**Know what's below.
Call before you dig.**





BOARDWALK

Developer's Handbook





BOARDWALK
Developer's Handbook