

Special Specification 7267

Natural Gas and Pipeline Utilities



1. DESCRIPTION

This document will control the scope relating to abandoned gas and pipeline utilities which must be removed to allow for the construction of US 82 in Montague County. This road construction project includes elements (i.e., drainage features, etc.) that conflict with the current locations of the pipelines. Contractor must provide for trenching, removal, and disposal as well as all other materials, tools, supplies, labor, and equipment necessary for the removal of the pipeline in conformance with the details shown on the plans, this Item, and as directed. The Contractor will consult with the Engineer in matters concerning the execution of the work, materials, inspection, and testing related.

2. GENERAL

- 2.1. Abandoned pipelines will be cut, capped, and purged at the right of way (ROW) line by others.
- 2.2. Contractor is responsible for the removal and proper disposal of facilities, conforming in all respects with the details shown on the plans and as covered by this Item.

The Contractor will be responsible and liable for any damages to any other utilities or properties that are damaged during construction activities.

While this Item and the details shown on the plans are intended to be full and complete, the Contractor is considered bound by customary good construction practices whether referred to specifically or not.

Some of the details of this document are generic and may not be applicable to the scope of this work.

Existing utility permits may be available. Contact Engineer for copies of existing utility permits.

Order of specification precedence:

- Federal 49 CFR
- State TAC 43
- Construction Plans, specifications, provisions, and special specifications.

3. MATERIALS

All materials, tools, supplies, equipment, etc., necessary to complete the work will be furnished by the Contractor.

Deliver, store, or stockpile the equipment and materials along the right of way in such a manner as to not cause interference to driveways, streets, other construction operations, sidewalks, etc.

Upon completion of the work, promptly remove excess or salvaged materials and spoils from the work area.

4. CONSTRUCTION

- 4.1. **Preparation.** Abandoned pipelines will be cut, capped, and purged at the ROW line by others. Ensure this work has been performed before beginning removal operations and notify Engineer in writing.

- 4.2. **Contact.** Call "Texas One Call" for utilities.
- 4.3. **Location.** Locate all existing pipeline utilities identified on the plans for removal. Use conventional pipeline locating equipment and techniques in conjunction with information from the construction plans to determine the actual location of existing pipelines.
- 4.4. **Excavation.** Limit the width and depth of excavation or trenching required to allow for the removal of pipe and associated appurtenances (valves, etc).
- Remove and dispose of all stumps, roots, and deleterious found during trench excavation.
- Provide "Trench Excavation Protection," as required.
- Where shrubbery and trees are to remain in any location and where in the opinion of the Engineer, the use of ditching or trenching equipment may result in unnecessary damage, the Engineer may require the trench to be excavated by hand.
- Protect trenches or holes left open during non-working periods (overnight, weekends, etc.). Devices shall include barricades and warning lights.
- Blasting is not allowed.
- Provide for construction drainage to avert delays.
- 4.5. **Dust Suppression.** Whenever trenching activities create significant amounts of dust or other undesirable emissions into the atmosphere, take action such as sprinkling, to reduce these emissions, as determined by the Engineer.
- 4.6. **Tracking.** Conduct pipeline removal operations in such a manner to minimize the tracking of mud or dirt onto the pavement. If tracking occurs, immediately remove material by sweeping or other method as approved.
- 4.7. **Temporary Bridges.** When the trench is excavated where it is necessary to have a passageway across or over the trench, provide safe, temporary bridges or provide other safe means of crossing the trench as approved.
- 4.8. **Access.** Maintain access to adjacent properties at all times. No streets, alleys, or driveways are to be blocked at night, except with the Engineer's approval.
- 4.9. **Pipe Removal.** Remove the pipes and fittings identified on Sheet 17 under "Summary of Abandoned and Unknown Pipelines," as directed.
- 4.10. **Protection of Pipe Ends.** At the end of each day's work and at any other times when the ends of the pipe are left unattended, safely treat the pipe ends, as approved, to eliminate a hazard to the traveling public.
- 4.11. **Backfill.** Conduct backfilling in a manner where the trench will be uniformly backfilled and compacted. Do not use rocks larger than 4 in. in diameter, width, or length in backfill.
- When crossing drainage ditches and minor streams, furnish, and install all materials necessary for bank stabilization. Maintain slopes and backfill until the work has been completed and accepted. No reimbursement will be made for repairing of backfill due to floods and other conditions occurring before final acceptance.
- Control the excavation and backfilling operation to minimize the length of open trench commensurate with good construction practices. Dispose of surplus material not used for backfilling.

Compact backfill across public and private roads to 95% density to prevent settlement or damage to other buried utilities. Do not use soil from the right of way except from the spoil bank as approved. Dispose of any surplus soil. Provide density testing reports to ensure proper compaction when the Engineer requests such tests.

- 4.12. **Clean-Up.** As soon as backfill is completed on a section, clean the State ROW. Take ownership of and remove and haul all surplus materials off the ROW. Dispose of all refuse such as brush, broken skids, rock, etc. Level the earth on both sides of the trench in a condition satisfactory to the Engineer.
- 4.13. **Gas Facility Access Cover.** Remove any riser rings on gas facility access cover assembly. Demolish and remove any concrete associated with the pipeline. The contractor will be responsible for damage to other appurtenances and structures. Repair or replace in kind.

5. TESTS

- 5.1. **Standards and Codes.** The latest editions of the following documents apply when required:
- Department of Transportation, 49 CFR Part 192, "Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards,"
 - ANSI B31. 8, "Gas Transmission and Distribution Piping Systems," and
 - ASME Code Section V, "Nondestructive Examination."

6. MEASUREMENT

The pipelines will be measured by the feet. Feet represents the centerline of the pipe to be removed including fittings. This includes all excavation, shoring, water removal, hauling of spoil and backfill, and disposal of various pipelines.

7. PAYMENT

The work performed and materials furnished for the removal of pipelines, in accordance with this Item and measured as provided under "Measurement," will be paid for at the unit price bid for the Items of work hereinafter described.

Payment for the removal of pipeline is to be based on linear foot of pipe removed regardless of pipe size.

Utility location is subsidiary to this bid item.

All mobilization, hauling, stockpiling, and storage is subsidiary to this bid item.

Dust suppression is subsidiary to this bid item.

Excavation, shoring, water removal, hauling of spoil and backfill, and disposal of various pipelines is subsidiary to this bid item.

Trench Excavation Protection is subsidiary to this bid item.

Temporary bridges are subsidiary to this bid item.

Construction drainage for pipeline removal is subsidiary to this bid item.

Sweeping or approved method for removing mud or dirt from pavement is subsidiary to this bid item.

Clean up and associated activities are subsidiary to this bid item.