

**RULE NO.: R161-18.23****NOTICE OF RULE ADOPTION****ADOPTION DATE: December 7, 2018**

By: Richard Mendoza, Director  
Public Works

The Director of the Department of Public Works has adopted the following rule. Notice of the proposed rule was posted on October 5, 2018. Public comment on the proposed rule was solicited in the October 5, 2018 notice. This notice is issued under Chapter 1-2 of the City Code. The adoption of a rule may be appealed to the City Manager in accordance with Section 1-2-10 of the City Code as explained below.

A copy of the complete text of the adopted rule is available for public inspection and copying at the following locations. Copies may be purchased at the locations at a cost of ten cents per page:

Public Works, located at 4411-A Meinardus Drive, Austin, Texas, 78744. See Mr. Samuel West; and

Office of the City Clerk, City Hall, located at 301 West 2nd Street, Austin, Texas.

**EFFECTIVE DATE OF ADOPTED RULE**

A rule adopted by this notice is effective on December 7, 2018.

**TEXT OF ADOPTED RULE**

The adopted rule contains no changes from the proposed rule.

R161-18.23: Proposed revision to Standard Specification Manual 510.3(25c & 25d).

**Standard Specification Manual Item 510**

- Section 510.3(25c) – Replaced the acronym E/A with Engineer or designated representative.
- Section 510.3(25d) – Corrected grammatical errors and clarified language, added language allowing backfill lifts to be placed at gradients.

## **SUMMARY OF COMMENTS**

Public Works did not receive comments regarding the rule adopted in the notice.

## **AUTHORITY FOR ADOPTION OF RULE**

The authority and procedure for adoption of a rule to assist in the implementation, administration, or enforcement of a provision of the City Code is provided in Chapter 1-2 of the City Code. The authority to regulate construction is established in Section 25-6-267 and Section 25-6-268 of the City Code

## **APPEAL OF ADOPTED RULE TO CITY MANAGER**

A person may appeal the adoption of a rule to the City Manager. **AN APPEAL MUST BE FILED WITH THE CITY CLERK NOT LATER THAN THE 30TH DAY AFTER THE DATE THIS NOTICE OF RULE ADOPTION IS POSTED. THE POSTING DATE IS NOTED ON THE FIRST PAGE OF THIS NOTICE.** If the 30th day is a Saturday, Sunday, or official city holiday, an appeal may be filed on the next day which is not a Saturday, Sunday, or official city holiday.

An adopted rule may be appealed by filing a written statement with the City Clerk. A person who appeals a rule must (1) provide the person's name, mailing address, and telephone number; (2) identify the rule being appealed; and (3) include a statement of specific reasons why the rule should be modified or withdrawn.

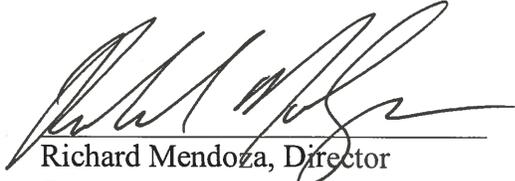
Notice that an appeal was filed and will be posted by the city clerk. A copy of the appeal will be provided to the City Council. An adopted rule will not be enforced pending the City Manager's decision. The City Manager may affirm, modify, or withdraw an adopted rule. If the City Manager does not act on an appeal on or before the 60th day after the date the notice of rule adoption is posted, the rule is withdrawn. Notice of the City Manager's decision on an appeal will be posted by the city clerk and provided to the City Council.

On or before the 16th day after the city clerk posts notice of the City Manager's decision, the City Manager may reconsider the decision on an appeal. Not later than the 31st day after giving written notice of an intent to reconsider, the City manager shall make a decision.

**CERTIFICATION BY CITY ATTORNEY**

By signing this Notice of Rule Adoption R161-18-23, the City Attorney certifies that the City Attorney has reviewed the rule and finds that adoption of the rule is a valid exercise of the Director's administrative authority.

**REVIEWED AND APPROVED**

  
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Richard Mendoza, Director  
Department

Date: 12-05-18

  
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Anne L. Morgan  
City Attorney

Date: 12/6/18

# Standard Specifications Manual

Item No. 510 Pipe

## Standard Specification 510 "Pipe" Section 510.3(25c) "Backfill Materials" and Section 510.3(25d) "Backfill in Street Right of Way"

### (c) Backfill Materials

The E/A Engineer or designated representative may approve any of the following well graded materials as backfill:

1. Select trench material
2. Sand
3. Crushed rock cuttings
4. Rock cuttings
5. Foundation Rock
6. Blasted material with fines and rock
7. Cement stabilized material
8. Borrow

Within the 100-year flood plain, sand will not be permitted for backfilling. The E/A Engineer or designated representative will approve the topsoil for areas to be seeded or sodded.

### (d) Backfill in Street Right of Way

Placement of backfill under existing or future pavement structures and within 2 feet of any structures shall be compacted to the required specified density using any method, type and size of equipment, which will give produce the required specified compaction without damaging the pipe or bedding. Placement of backfill greater than 2 feet beyond structures in Right of Way shall be conform to (g) below.

The depth thickness of layers lifts, prior to compaction, shall depend upon the type of sprinkling and compacting equipment used and the test results thereby obtained. Prior to and in conjunction with the compaction operation, each layer lift shall be brought to the moisture content necessary to obtain the required specified density and shall be kept level placed in a

uniform thickness to ensure uniform compaction over the entire layer/lift. Testing for density shall be in accordance with Test Method Tex-114-E and Test Method Tex-115-E.

Backfill lifts shall be placed in a flat (or level) configuration; however, when approved by the Engineer or designated representative, the backfill lifts may be placed at gradients (percent of vertical rise or fall to horizontal run) that do not exceed 30%.

The proposed gradient for each lift or series of lifts shall be established based on the capabilities of the equipment proposed to attain the required compaction.

Each layer/lift of backfill must provide the density as required specified herein. Swelling soils (soils with plasticity index of 20 or more with a minimum Liquid Limit of 50, more than 50% passing a #200 sieve and a plasticity index greater than 22) shall be sprinkled as required to provide not less than optimum moisture nor more than 2 percent over optimum moisture content and compacted to the extent necessary to provide not less than 95 percent nor more than 102 percent of the density as determined in accordance with Test Method Tex-114-E. Non-swelling soils (soils with plasticity index less than 20) shall be sprinkled as required specified and compacted to the extent necessary to provide not less than 95 percent of the density as determined in accordance with Test Method Tex-114-E.

After each layer/lift of backfill is complete, tests may be made by the E/A Engineer or designated representative. If the material fails to meet the density indicated, the course shall be reworked as necessary to obtain the indicated compaction and the compaction method shall be altered on subsequent Work to obtain indicated density.

At any time, the E/A Engineer or designated representative may order proof rolling to test the uniformity of compaction of the backfill layers/lifts. All irregularities, depressions, weak or soft spots that develop shall be corrected immediately by the Contractor.

Should the backfill, due to any reason, lose s the required specified stability, density or finish before the pavement structure is placed, it shall be recompacted and refinished at the sole expense of the Contractor. Excessive loss of moisture in the subgrade shall be prevented by sprinkling, sealing or covering with a subsequent backfill layer or granular material. Excessive loss of moisture shall be construed to exist when the subgrade soil moisture content is more than 4 percent below the optimum of compaction ratio density. Backfill shall be placed from the top of the bedding material to the existing grade, base course, subgrade or as indicated specified. The remainder of the street backfill shall either be Flexible Base, Concrete or Hot Mix Asphalt Concrete as indicated specified on the drawings or to replace replacement "in kind" to the surface of the materials originally removed to construct for placement of the pipe.