
15 December 2023

SP 4.2-004 (2013)

**Standard Specifications for Construction
City of Waco 2013
Special Provision Section 4.2 Excavation and Backfill**

The Standard Specifications for Construction City of Waco 2013
Section 4.2 Excavation and Backfill

Part 2: Product

A. Materials

2. Pipe Bedding Material for Water and Sanitary
Sewer Mains

a. Crushed Stone Embedment
(2) Test

and

e. Washed Gravel

are hereby revised as follows effective for all Developer projects submitted to the City February 1, 2024 and thereafter; for all City projects with bid opening date of February 1, 2024 and thereafter; and for right-of-way permit requests received December 18 and thereafter though may be used at Contractor's option on all projects beginning December 18:

Part 2: PRODUCT

A. MATERIALS

**2. Pipe Bedding Material for Water and Sanitary Sewer
Mains**

**a. Crushed Stone Embedment
(2) Test**

(2) Test – When tested by standard laboratory methods, crushed rock embedment for each gradation shall meet the following requirements for percentage by weight as stated in ~~TxDOT Standard Specifications for Construction of Highways, Streets and Bridges.~~

Coarse Crushed Rock <u>ASTM 57</u>	
<u>Sieve Size</u>	<u>Percent Passing</u>
Passing 1 ½ IN.in. sieve	100%
<u>1 IN.</u>	<u>95-100</u>
Retained on ¾ in. sieve	100%
<u>½ IN.</u>	<u>25-60</u>
<u>#4</u>	<u>0-10</u>
<u>#8</u>	<u>0-5</u>

e. Washed Gravel – Washed gravel shall consist of uncrushed stones meeting the requirements for wear as outlined in *Item A.2.a., crushed Stone Embedment, of Section 4.2 Part 2*. The material shall be washed and screened and not have by weight more than one percent organic matter, clays or loam and not more than five percent by weight of any one of or combination of slate, shale, or schist or soft particles of sandstone. The gradation shall be:

Washed Gravel <u>ASTM 57</u>	
<u>Sieve Size</u>	<u>Percent Passing</u>
Passing 1 ½ IN.in. sieve	100%
<u>1 IN.</u>	<u>95-100</u>
Retained on ¾ in. sieve	100%
<u>½ IN.</u>	<u>25-60</u>
<u>#4</u>	<u>0-10</u>
<u>#8</u>	<u>0-5</u>

Sincerely,

Thomas M. Dahl

Thomas M. Dahl, P.E.