MEMORANDUM

To: Denver Water Engineering Standards Users
From: Katie L. Ross, P.E. – Distribution Engineering Manager
CC: Robert J. Mahoney, P.E. – Chief Engineering Officer
Jeremy M. Ross, P.E. – Director of Engineering – Projects
Date: May 29, 2020
Errata 3 - Notice of Corrections

Revisions to the 15th Edition of the Engineering Standards are hereby published for immediate use.

CHAPTER 7 – EARTHWORK, SUBPARAGRAPH 7.10, SUBPARAGRAPH A, FIRST PARAGRAPH, SECOND SENTENCE, PAGE 79:

DELETE:
Bell holes shall be dug deep enough to provide 2-inches of clearance between the bell and bedding material.

SUBSTITUTE:
Bell holes shall be dug deep enough to provide 6-inches of clearance between the bell and subgrade.

CHAPTER 7 – EARTHWORK, SUBPARAGRAPH 7.10, SUBPARAGRAPH B, PAGE 79:

DELETE:
Bedding and pipe zone material shall be clean, free draining, poorly graded, unfrozen, non-friable, natural rounded (not crushed) squeegee with no clay balls or organic material that is in accordance with the following limits when tested by means of laboratory sieves:

SUBSTITUTE:
Bedding and pipe zone material shall be clean, free draining, poorly graded, unfrozen, non-friable, rounded (not crushed) squeegee with no clay balls or organic material. Expanded clay Lightweight Aggregate is acceptable with a max LA abrasion of 30%. Material shall be in accordance with the following limits when tested by means of laboratory sieves:
CHAPTER 7 – EARTHWORK, SUBPARAGRAPH 7.10, SUBPARAGRAPH B, TABLE, PAGE 80:

DELETE:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Total Percent Passing by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8-inch</td>
<td>100</td>
</tr>
<tr>
<td>No. 50</td>
<td>0 to 10</td>
</tr>
<tr>
<td>No. 100</td>
<td>0 to 5</td>
</tr>
<tr>
<td>No. 200</td>
<td>0 to 3</td>
</tr>
</tbody>
</table>

SUBSTITUTE:

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>Total Percent Passing by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8-inch</td>
<td>100</td>
</tr>
<tr>
<td>No. 50</td>
<td>0 to 30</td>
</tr>
<tr>
<td>No. 100</td>
<td>0 to 10</td>
</tr>
<tr>
<td>No. 200</td>
<td>0 to 5</td>
</tr>
</tbody>
</table>

The following Material Specifications are hereby corrected and updated:

MATERIAL SPECIFICATION – 5 FOR RESILIENT SEATED GATE VALVES, SUBPARAGRAPH 5, PAGE 1

DELETE:

VALVES INSTALLED IN THE RECYCLED WATER SYSTEM SHALL HAVE EPDM SEATS.

INSTALLATION

SUBSTITUTE:

INSTALLATION
MATERIAL SPECIFICATION – 23 FOR BRASS AND BRONZE GOODS, SUBPARAGRAPH 2, SECOND TABLE, PAGE 1:

DELETE:

NL

MATERIAL SPECIFICATION – 23 FOR BRASS AND BRONZE GOODS, SUBPARAGRAPH 3, TABLE, PAGE 2:

DELETE:

720-B612WWxx 660

SUBSTITUTE:

720-B612WWxx 666

MATERIAL SPECIFICATION – 23 FOR BRASS AND BRONZE GOODS, SUBPARAGRAPH 3, TABLE, PAGE 2:

DELETE:

720-B712WWxx 770

SUBSTITUTE:

720-B712WWxx 777

MATERIAL SPECIFICATION – 25 FOR METER PITS, DOMES, AND LIDS, SUBPARAGRAPH 2, SECOND PARAGRAPH, FIRST SENTENCE, PAGE 1:

ADD:

42-inch or

MATERIAL SPECIFICATION – 25 FOR METER PITS, DOMES, AND LIDS, SUBPARAGRAPH 2, SUBPARAGRAPH B, FIRST PARAGRAPH, PAGE 1:

DELETE:

Plastic meter pits shall be of a 1-piece design with a nominal 24-inch diameter by 42-inch high unit that tapers in 12-inches to accept a 20-inch diameter dome unit; or a 2-piece design with a nominal 24-inch diameter by 36-inch high base unit and a 12-inch top unit that tapers from a 24-inch diameter to accept a standard 20-inch diameter dome unit. The units shall be constructed of LMDP with a wall thickness of no less than 0.5-inches.

SUBSTITUTE:

Plastic meter pits shall be of a 1-piece design with a nominal 24-inch diameter by 42-inch high unit that tapers in 12-inches to accept a 20-inch diameter dome unit; or a 2-piece design with a nominal 24-inch diameter by 30-inch high base unit and a 12-inch or 18-inch top unit that tapers from a 24-inch diameter to accept a standard 20-inch diameter dome unit. The units shall be constructed of LMDP or high density polypropylene (HDPE) with a wall thickness of no less than 0.5-inches.
MATERIAL SPECIFICATION – 25 FOR METER PITS, DOMES, AND LIDS, SUBPARAGRAPH 4, FIRST TABLE, PAGE 2:

DELETE:
MMP2436

SUBSTITUTE:
MMPE 2412

MATERIAL SPECIFICATION – 25 FOR METER PITS, DOMES, AND LIDS, SUBPARAGRAPH 4, FIRST TABLE, PAGE 2:

ADD:
0020-42 Body B-W 2 MsHL – 24” Base (Bullet Style)

The following Standard Drawings are hereby corrected and updated:

SHEET 51 – 2” AND SMALLER NON-COPPER SERVICE LINE REPLACEMENT

DELETE:
Drawing in its entirety.

SUBSTITUTE:
Attached drawing.

SHEET 52 – 2” AND SMALLER NON-COPPER SERVICE LINE REPLACEMENT & INSIDE METER RELOCATION, NOTE 5

DELETE:
Drawing in its entirety.

SUBSTITUTE:
Attached drawing.

SHEET 61 – INSIDE SETTING FOR 3” & LARGER METER, NOTE 2

DELETE:
Drawing in its entirety.

SUBSTITUTE:
Attached drawing.
SHEET 63 – INSIDE BACKFLOW PREVENTION ASSEMBLY FOR OUTSIDE SETTING OF 1 1/2" & 2" METER & BYPASS MANHOLE

DELETE:

Drawing in its entirety.

SUBSTITUTE:

Attached drawing.

SHEET 68 – IRRIGATION OUTSIDE SETTING FOR 2” & SMALLER REDUCED PRESSURE PRINCIPLE ASSEMBLY IN ENCLOSURE

DELETE:

Drawing in its entirety.

SUBSTITUTE:

Attached drawing.

The administration of these Standards, including the interpretation, enforcement, revision, waiver, and variance thereof, is hereby delegated by the CEO/Manager to the Chief Engineering Officer or the Chief’s appointed representative. A variance request must be submitted to the Sales Administration Section and forwarded to the Chief Engineering Officer, or the Chief’s appointed representative, for review.

A PDF version of the Errata 3 revisions can be found at: https://www.denverwater.org/contractors/construction-information/design-standards/engineering-standards

Please contact Katie Ross at 303-628-6589 with any questions regarding these changes.

End of Memorandum