



**Letter To Industry**  
**LTI#. 0000022**

**Date:** April 1, 2020

**DCSM Reference :** Article 5

**Summary of Issue/Topic:** Drainage for the water meter installations

**Effective Date:** May 1, 2020

**Policy/  
Design  
Requirements/  
Guidelines:** Replace existing Detail W-7.1, W-7.2, and W-7.4 with the attached Detail W-7.1, W-7.2, and W-7.4

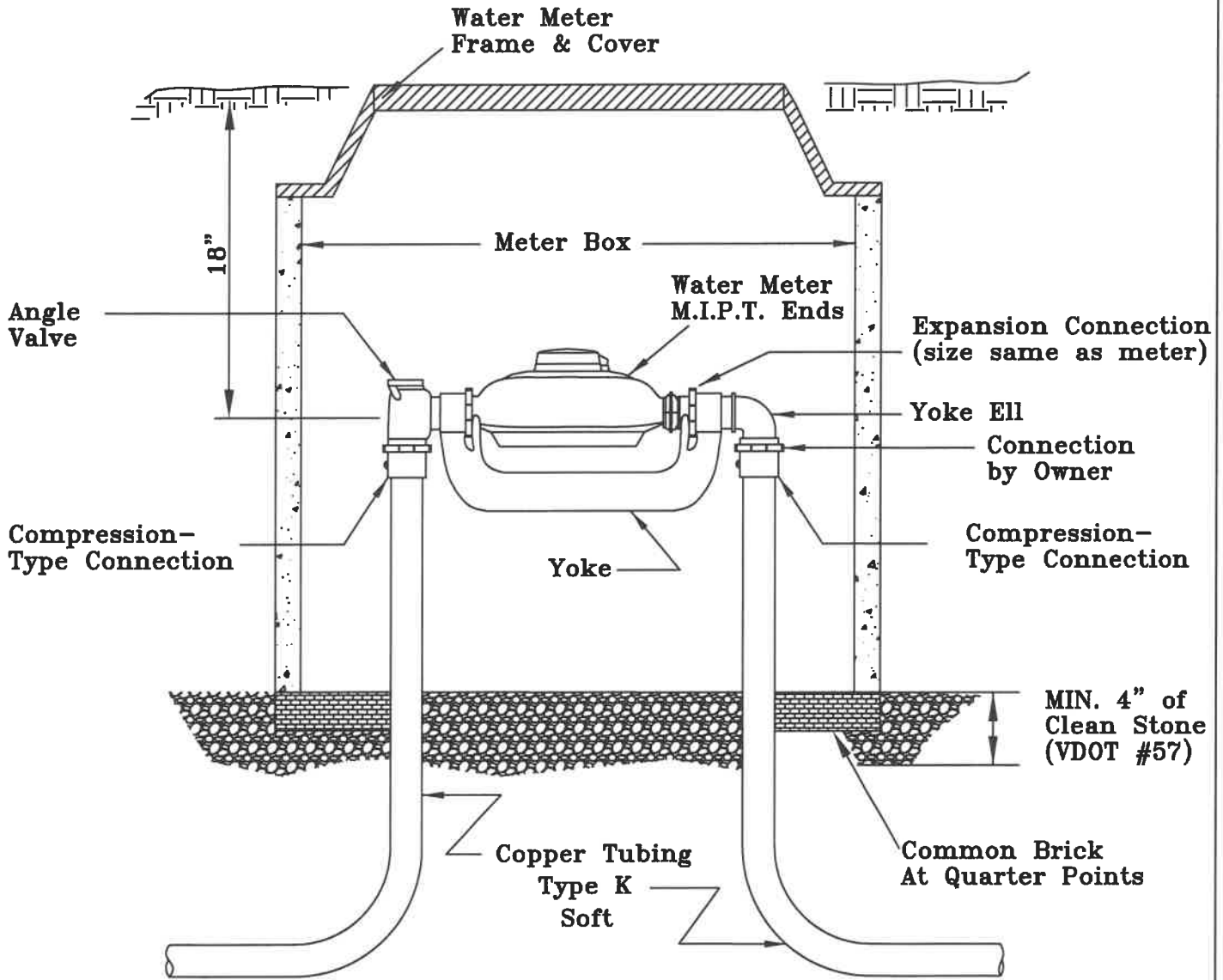
**Background:** These changes are required to comply with Title 32.1 of the *Code of Virginia* and 12VAC5-590 *et seq.* of the *Virginia Waterworks Regulations*. The Virginia Department of Health (VDH) requires to provide drainage in all water meter installation. Detail changes address this requirement.

**Contact:** Sung Jin Chung, P.E

**Department:** Engineering

**Manager  
Approval:** Tony Dawood, P.E.

**Manager Title:** Director of Utilities



WATER SERVICE SIZE	3/4"	1"
COPPER TUBING SIZE	3/4"	1"
METER & YOKE SIZE	5/8"	3/4"
ANGLE VALVE-METER END X OUTLET END	5/8" X 3/4"	3/4" X 1"
YOKE ELL - METER END X OUTLET END	5/8" X 3/4"	3/4" X 1"


**NOTES:**

1. ALL FITTINGS WILL BE MANUFACTURED BY FORD CO. OR APPROVED EQUAL.
2. THE METER BOX SHALL BE ONE-PIECE CONSTRUCTION OF CONCRETE OR FIBERGLASS AS APPROVED BY THE DIRECTOR.
3. ALL METERS SHALL BE "TOUCH READ" TYPE.

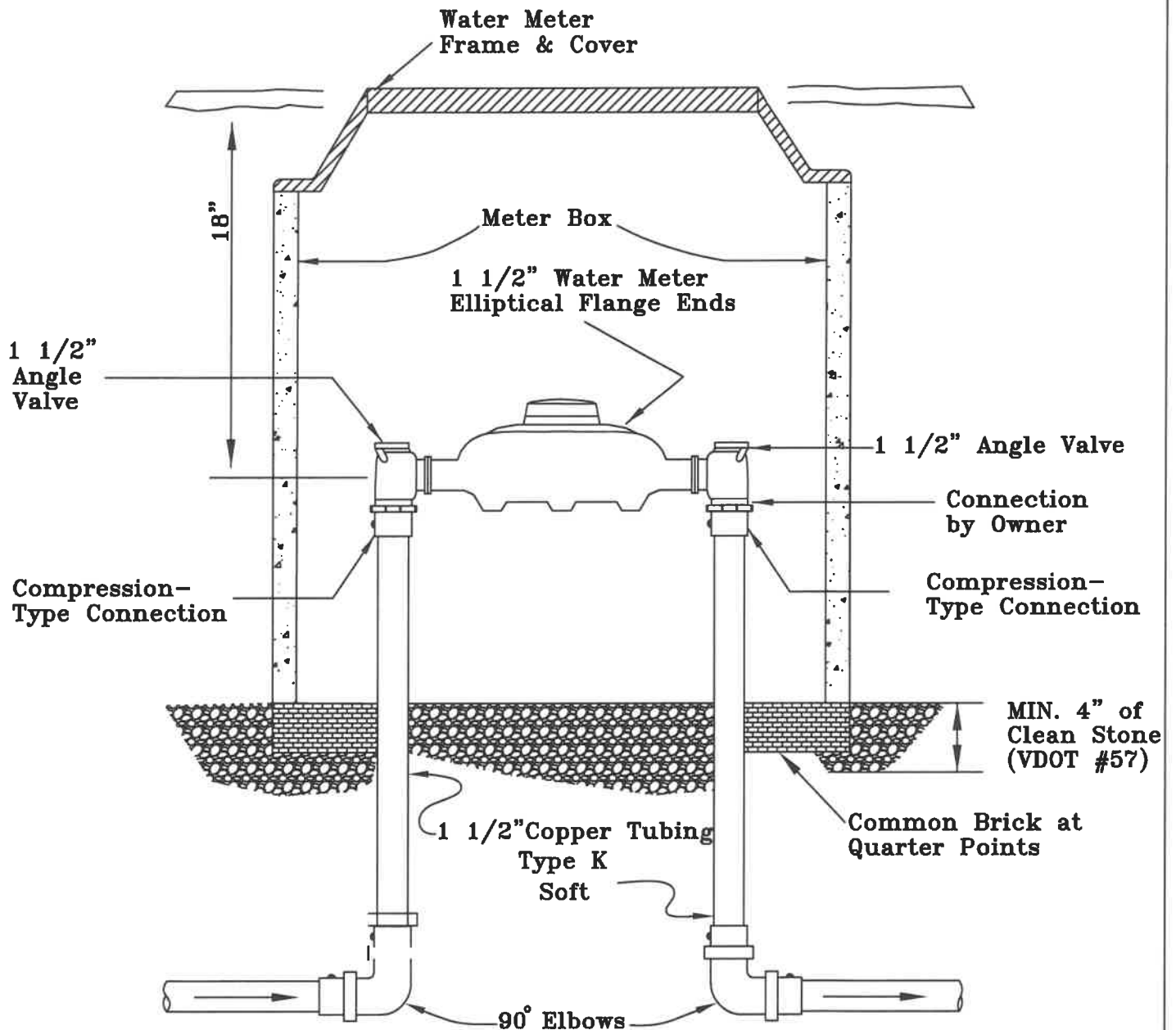
# WATER METER INSTALLATION

## 3/4-INCH 1-INCH SERVICES

SEPT. '06	
APR. '19	
REVISION & DATE	
DRAWING NUMBER	
W - 7.1	


3/12/20  
 DIRECTOR DATE

CITY OF MANASSAS, VIRGINIA  
 DEPARTMENT OF PUBLIC WORKS



**NOTES:**

1. ALL FITTINGS WILL BE MANUFACTURED BY FORD CO. OR APPROVED EQUAL.
2. THE METER BOX SHALL BE ONE PIECE CONSTRUCTION OF CONCRETE OR FIBERGLASS AS APPROVED BY THE DIRECTOR.
3. ALL METERS SHALL BE "TOUCH READ" TYPE.

**WATER METER INSTALLATION**

**1-1/2" INCH SERVICE**

SEPT. '06

APR. '19

REVISION & DATE

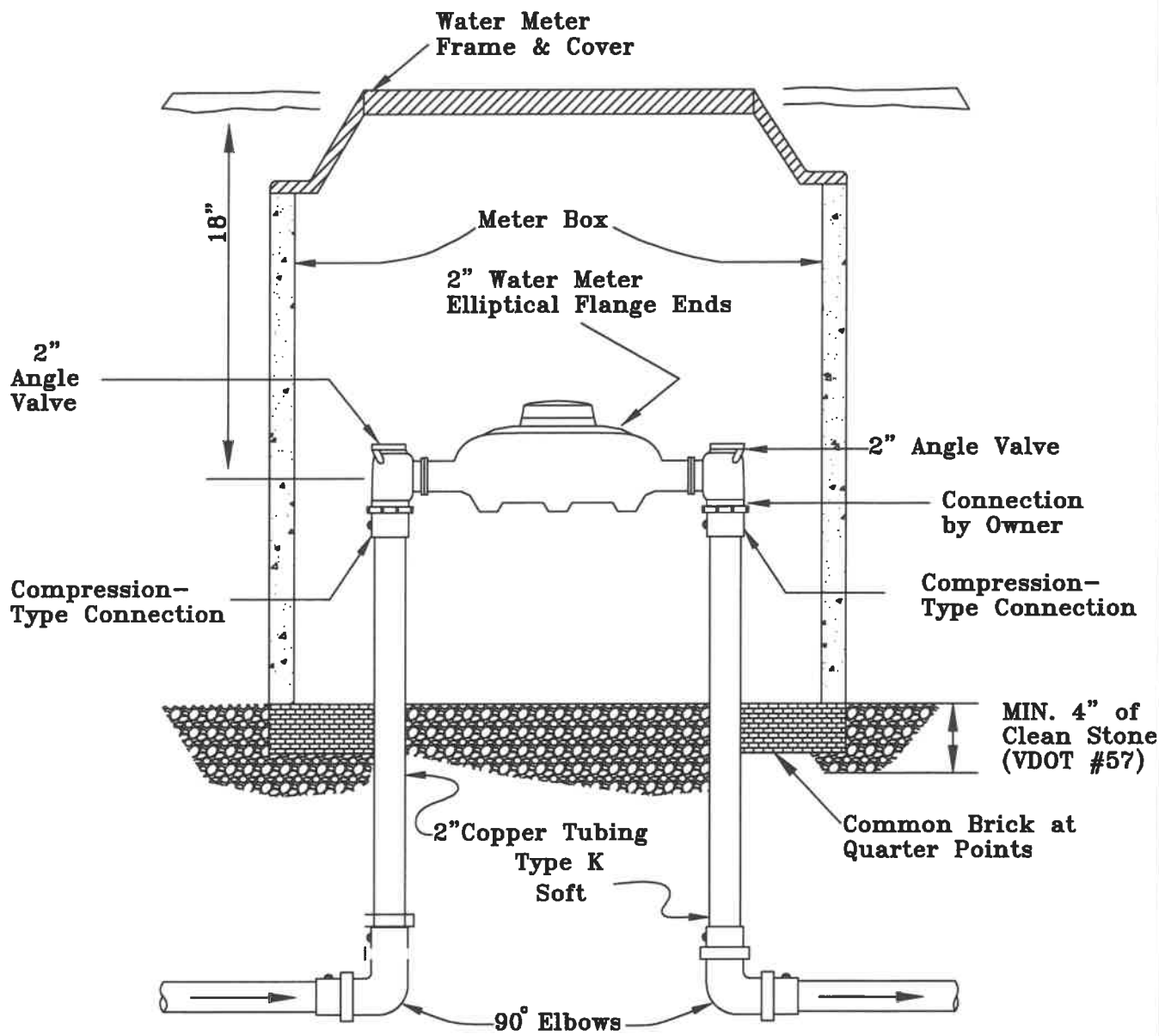
DRAWING NUMBER

**W - 7.2**

*[Signature]*  
DIRECTOR

3/12/20  
DATE

**CITY OF MANASSAS, VIRGINIA  
DEPARTMENT OF PUBLIC WORKS**



**NOTES:**

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2. THE METER BOX SHALL BE ONE PIECE CONSTRUCTION OF CONCRETE OR FIBERGLASS AS APPROVED BY THE DIRECTOR.
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# WATER METER INSTALLATION

## 2" INCH SERVICE

SEPT. '06

APR. '19

REVISION & DATE

DRAWING NUMBER

W - 7.4

*[Signature]*  
DIRECTOR

3/12/20  
DATE

CITY OF MANASSAS, VIRGINIA  
DEPARTMENT OF PUBLIC WORKS