

# **SECTION IX**

PROCUREMENT AND
MANUFACTURING
DETAILS

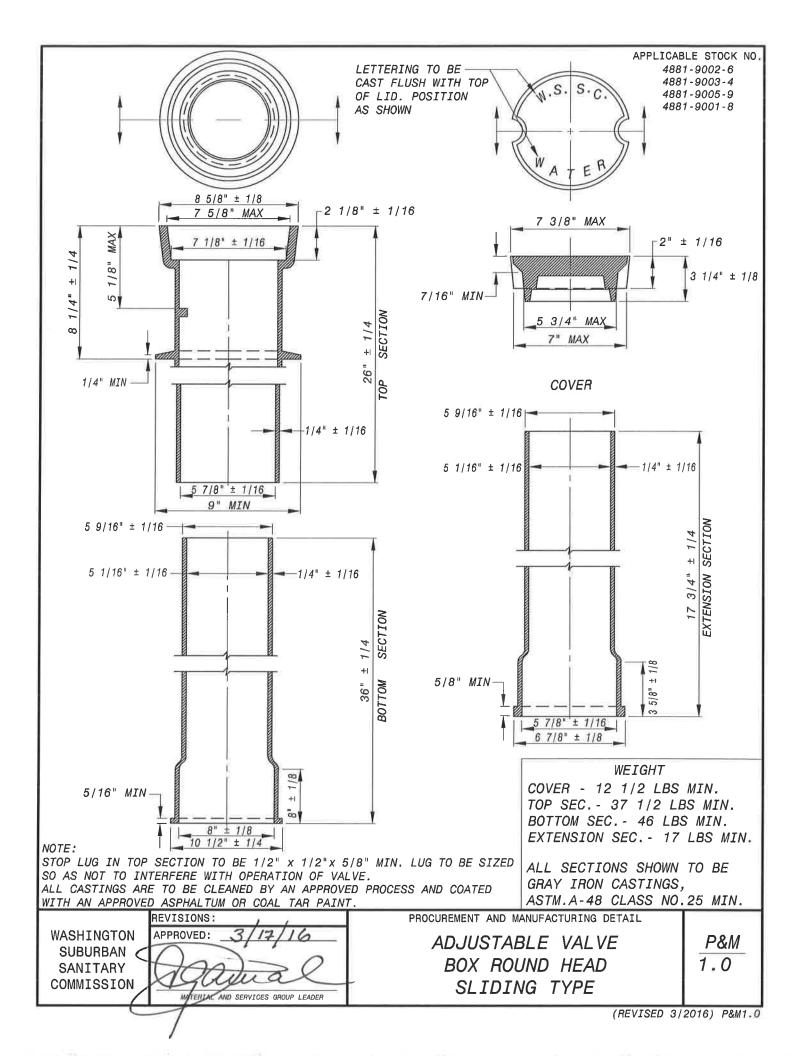
## SECTION IX - PROCUREMENT AND MANUFACTURING DETAILS

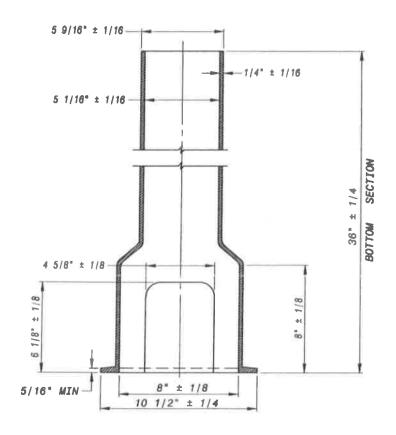
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WEIGHT: 47 LBS

- -SECTION TO BE GRAY IRON CASTING, ASTM A-48 CLASS NO. 25 MIN.
- -CASTINGS ARE TO BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASPHALTUM OR COAL TAR PAINT.

APPLICABLE STOCK NO. 4881-9007-5

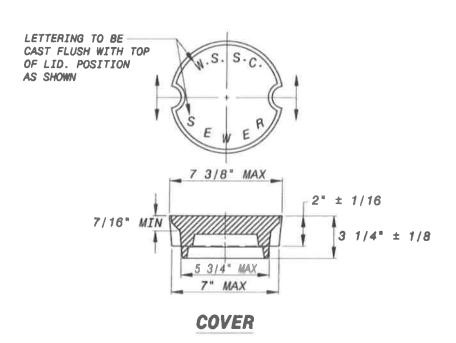
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SUBURBAN
SANITARY
COMMISSION
MATERIAL AND SERVICES WHOM LEADER

ADJUSTABLE VALVE BOX BOTTOM SECTION

PROCUREMENT AND MANUFACTURING DETAIL

WITH CUTOUT

P&M 1.1



WEIGHT: 12 1/2 LBS MIN.

- SECTION TO BE GRAY IRON CASTING, ASTM A-48 CLASS NO. 25 MIN.
- ALL CASTINGS ARE TO BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASPHALTUM OR COAL TAR PAINT.

APPLICABLE STOCK NO. 4881-9006-7

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SUBURBAN SANITARY COMMISSION

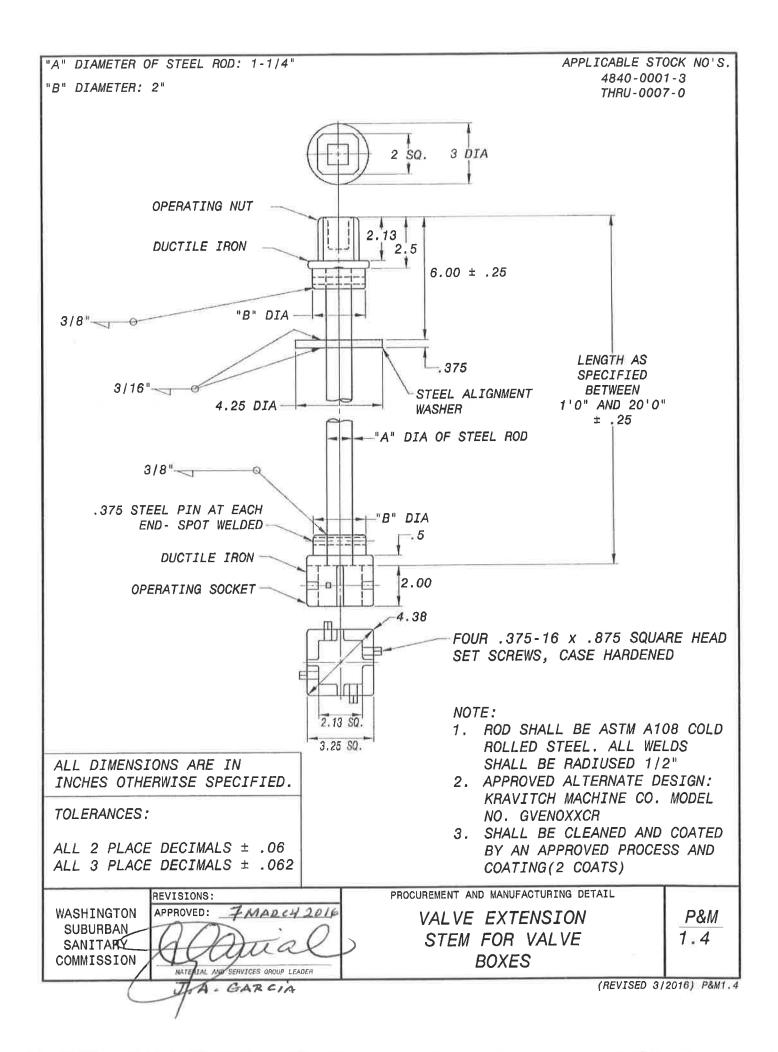
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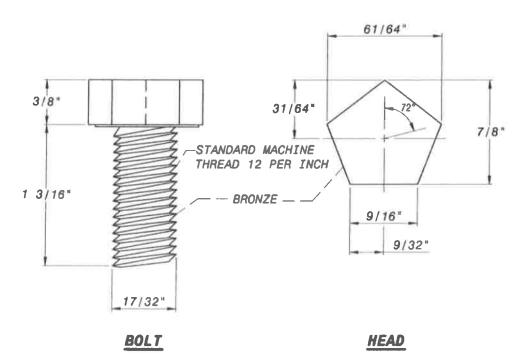
APPROVED:

APP

PROCUREMENT AND MANUFACTURING DETAIL

ADJUSTABLE VALVE BOX COVER MARKED SEWER (ALSO USED AS COVER FOR 4" SEWER CLEANOUT FRAME) P&M





# CURB BOX BOLT

FORGED ALLOY HIGH SILICON BRONZE MIN. TENSILE STRENGTH =65,000 PSI
MIN. YIELD STRENGTH = 38,000 PSI

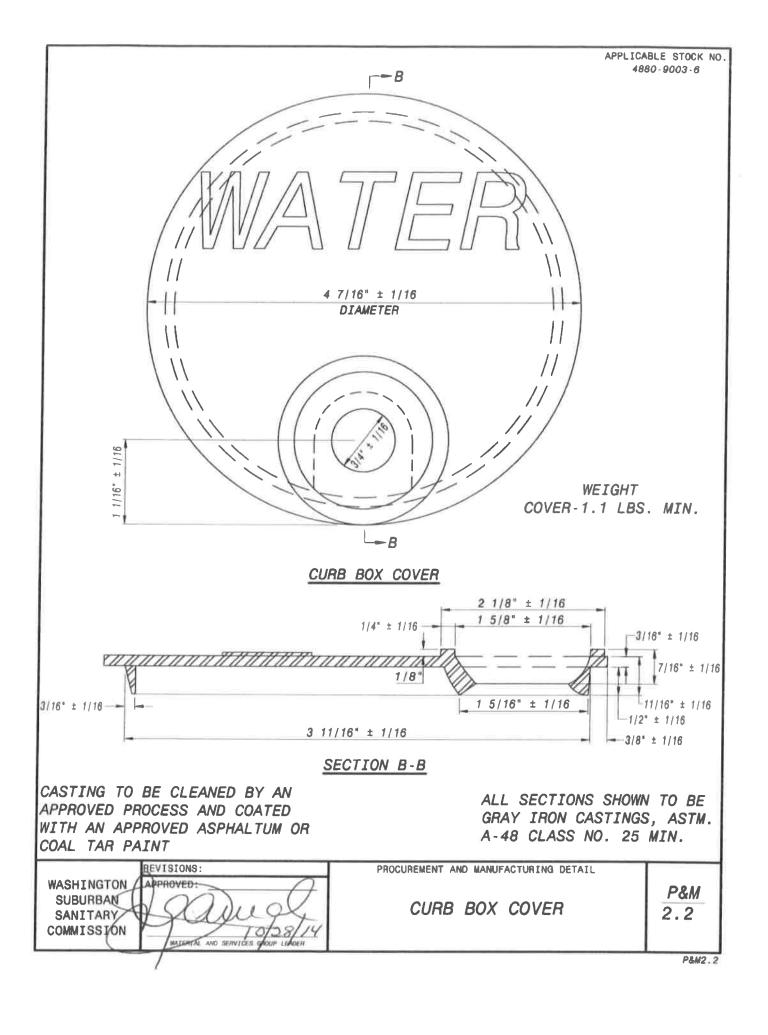
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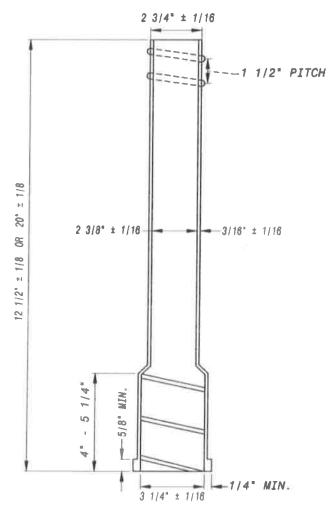
REVISIONS:

PROCUREMENT AND MANUFACTURING DETAIL

P&M

2.0





WEIGHT

#### CURB BOX EXTENSION

EXTENSION- 8 1/2 LBS. MIN.

ALL SECTIONS SHOWN TO BE GRAY IRON CASTINGS, ASTM. A-48 CLASS NO.25 MIN.

CASTING SHALL BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASPHALTUM OR COAL TAR PAINT

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SANITARY
COMMISSION

REVISIONS:

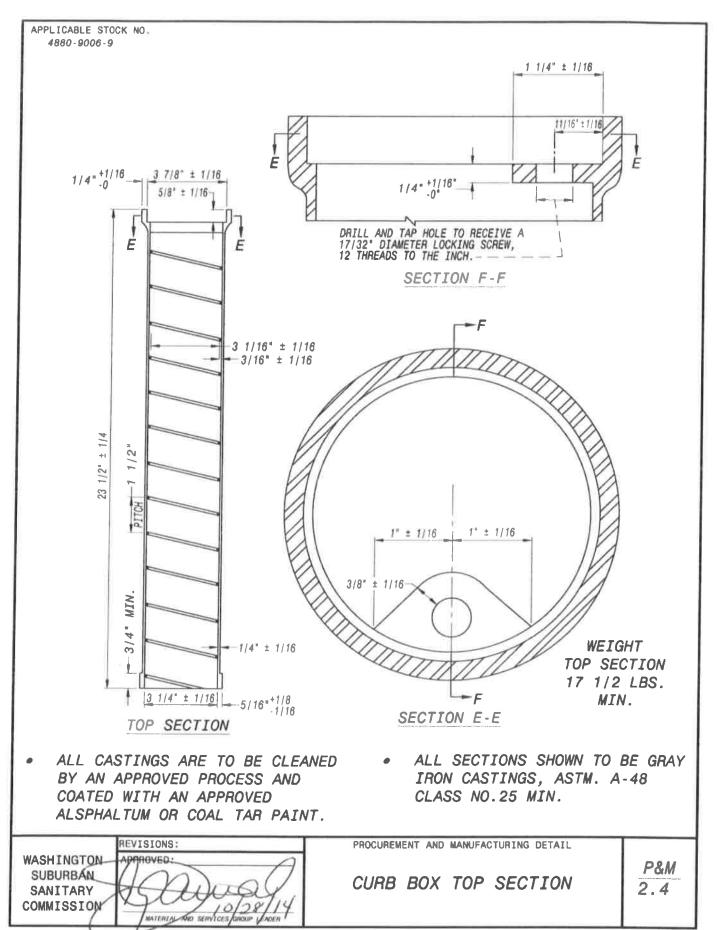
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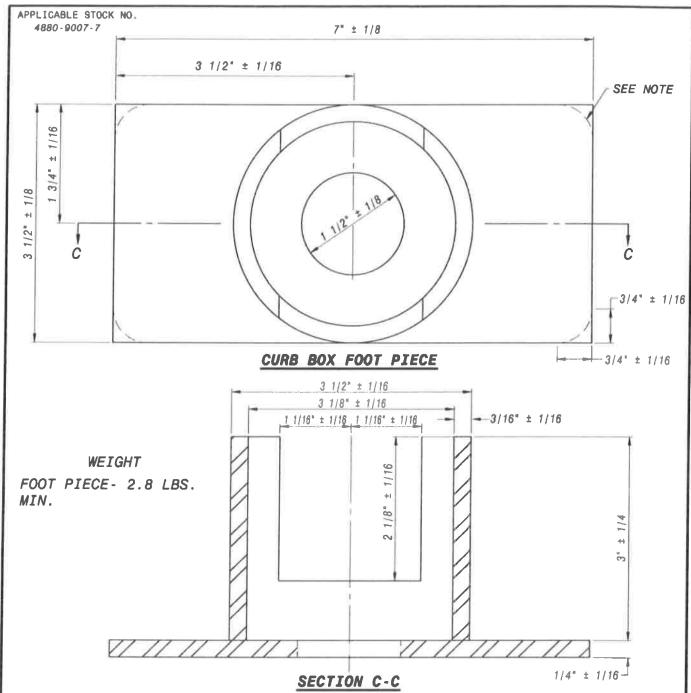
APP

PROCUREMENT AND MANUFACTURING DETAIL

CURB BOX EXTENSION

P&M 2.3





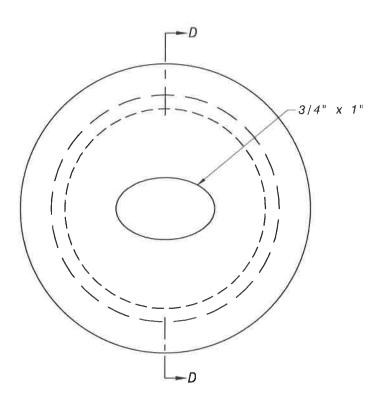
NOTE:

IF MANUFACTURERES MOLDS HAVE ROUNDED CORNERS THEY WILL BE ACCEPTABLE WITHIN THE LIMITS SHOWN.

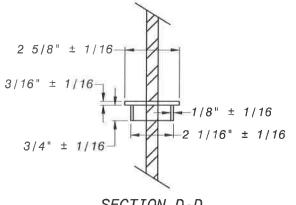
ALL SECTIONS SHOWN TO BE GRAY IRON CASTINGS, ASTM.A-48 CLASS NO.25 MIN.

CASTINGS SHALL BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASHPALTUM OR COAL TAR PAINT

REVISIONS:	PROCUREMENT AND MANUFACTURING DETAIL	
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SUBURBAN	CURB BOX FOOT PIECE	2 5
SANITARY COMMISSION		2.5
MATERIAL AND SERVICES THOUGH LEADER		



CURB BOX GUIDE RING
NOTE:DEPICTION OF CURBBOX ROD
SHOWN IS SUPERSEDED



SECTION D-D CURB BOX ROD GUIDE

- GUIDE RING TO BE GRAY IRON CASTINGS, ASTM. A-48 CLASS NO.25 MIN.
- CASTING SHALL BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASPHALTIC OR COAL TAR PAINT.

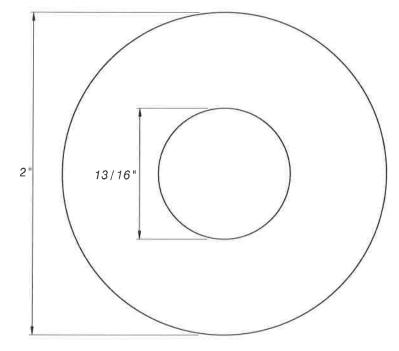
PROCUREMENT AND MANUFACTURING DETAIL

CURB BOX ROD AND GUIDE RING P&M 2.7

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MATERIAL AND SERVICES GROUP LEADER

APPLICABLE STOCK NO. 5310-9400-1



MATERIAL: LOW ALLOY STEEL IN ACCORDANCE WITH ASTM A307, LATEST REVISION THICKNESS:1/4"

WASHINGTON SUBURBAN SANITARY COMMISSION REVISIONS:

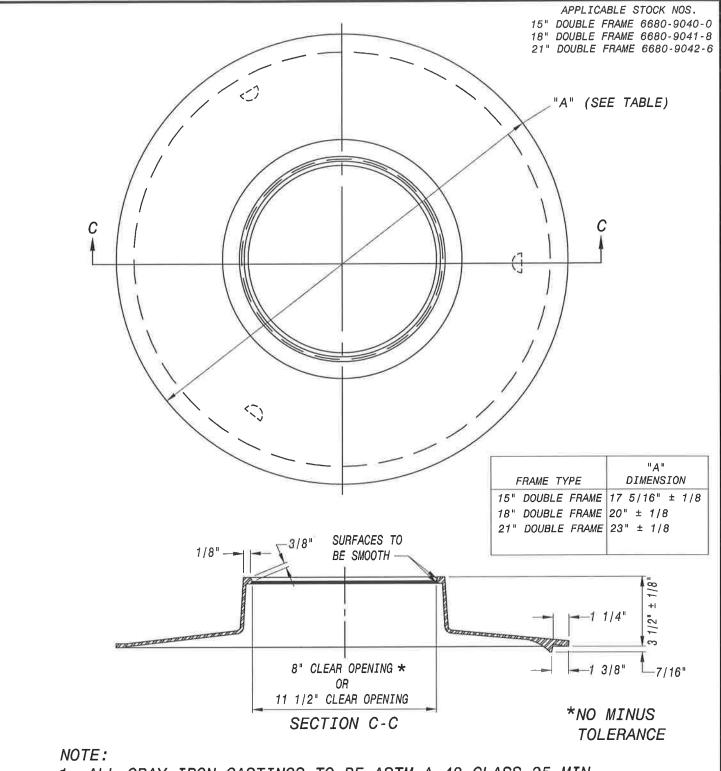
APPROVED: 3/14/16

APPROVED: 3/14/16

APPROVED: 3/14/16

PROCUREMENT AND MANUFACTURING DETAIL

MANHOLE FRAME WASHER, NOMINAL DIAMETER 3/4" P&M 3.0



- 1. ALL GRAY IRON CASTINGS TO BE ASTM A-48 CLASS 25 MIN.
- 2. SEE P&M/4.1 FOR WEIGHTS
- 3. TOLERANCE OF +/- 1/16" UNLESS NOTED OTHERWISE
- 4. CASTING SHALL BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASPHALTUM OR COAL TAR PAINT.

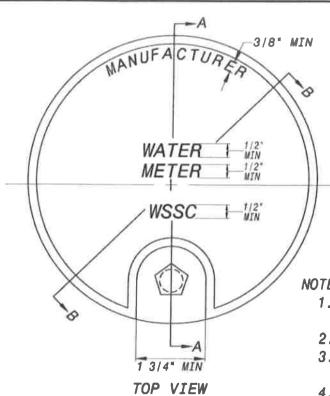
WASHINGTON SUBURBAN SANITARY COMMISSION



PROCUREMENT AND MANUFACTURING DETAIL

METER FRAMES FOR 15", 18" AND 21" METER HOUSING P&M 4.0

(REVISED 3/2016) P&M4.0



(TYP SINGLE AND DOUBLE) (NOT TO SCALE)

WEIGHT

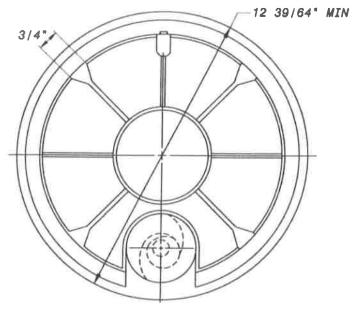
15" DOUBLE FRAME 12 3/4 LBS MIN 18" SINGLE FRAME 20 1/4 LBS MIN 18" DOUBLE FRAME 18 1/4 LBS MIN 21" DOUBLE FRAME 28 1/2 LBS MIN SINGLE LID 4 3/4 LBS MIN DOUBLE LID 10 3/4 LBS MIN

ALL GRAY IRON CASTINGS TO BE ASTM A48 CLASS 25 MIN.

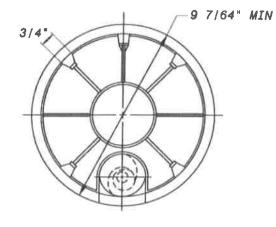
APPLICABLE STOCK NOS. SINGLE COVER 6680-9031-9 DOUBLE COVER 6680-9030-1

NOTES:

- 1. TOLERANCE OF ± 1/16" UNLESS NOTED OTHERWISE
- 2. SEE P&M/4.2 FOR FURTHER DETAILS
- 3. ALL LETTERS AND EDGES ON TOP RAISED 1/32"
- 4. CASTING SHALL BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AND APPROVED ASPHALTUM OR COAL TAR PAINT.



BOTTOM VIEW DOUBLE COVER (NOT TO SCALE)



BOTTOM VIEW SINGLE COVER (NOT TO SCALE)

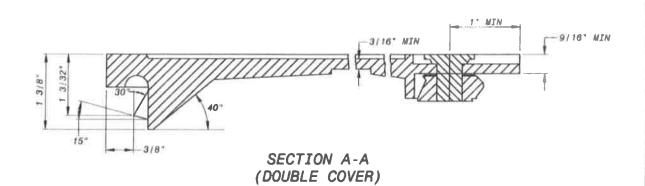
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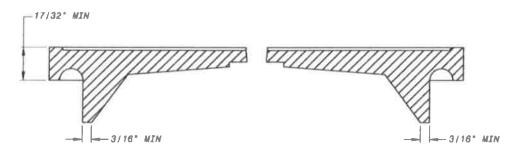
REVISIONS: ATERIAL AND SERVICES PROCUREMENT AND MANUFACTURING DETAIL

SINGLE AND DOUBLE METER COVERS

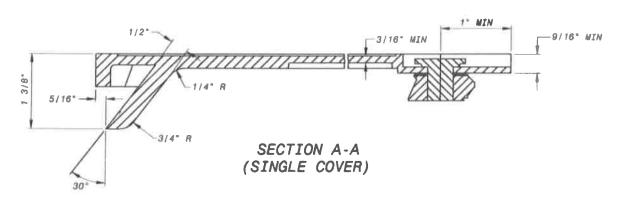
P&M 4.1

P&M4.1





SECTION B-B (TYP SINGLE COVER AND DOUBLE COVER)

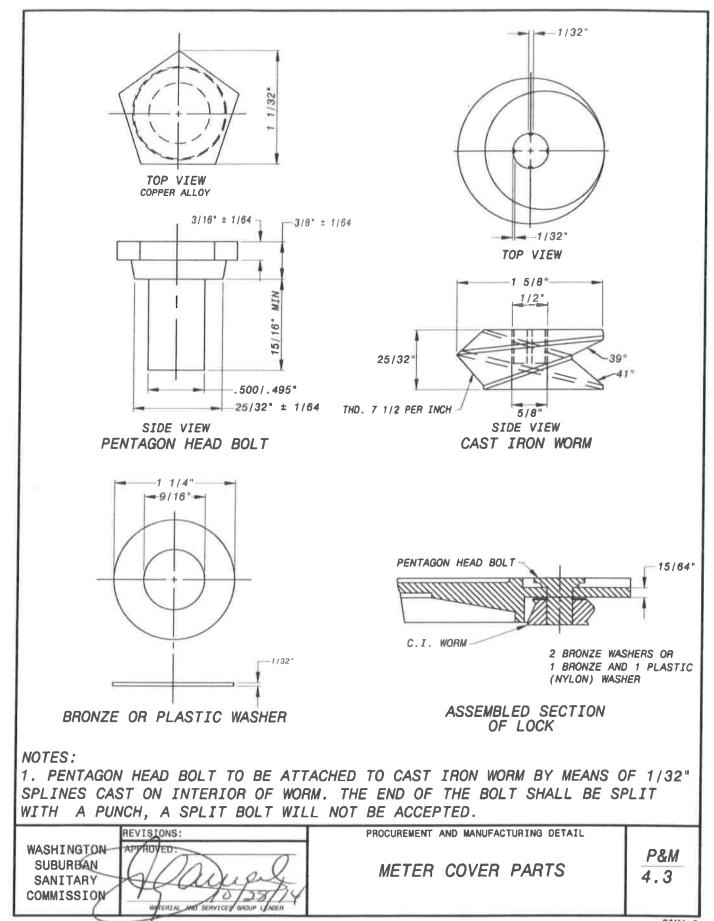


#### NOTES:

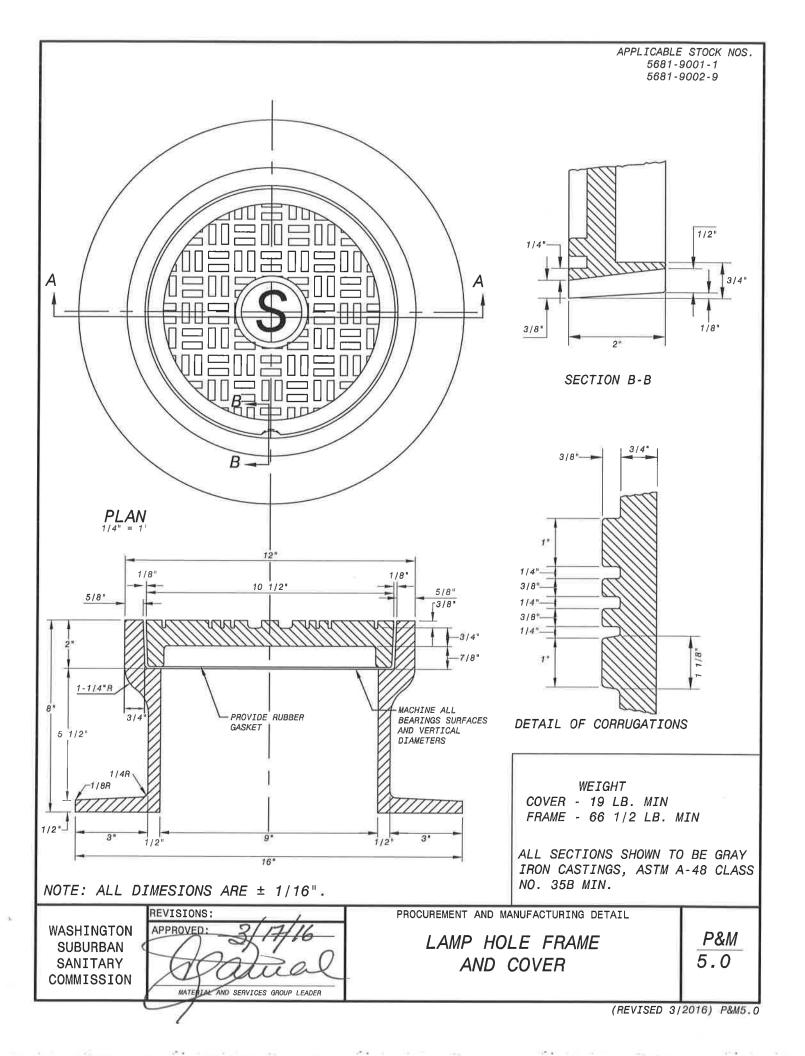
- 1. ALL GRAY IRON CASTINGS TO BE ASTM A48 CLASS 25 MIN.
- 2. SEE P&M/4.1 FOR FURTHER DETAILS
- 3. TOLERANCE OF +/- 1/16" UNLESS NOTED OTHERWISE
- 4. CASTING SHALL BE CLEANED BY AN APPROVED PROCESS AND COATED WITH AN APPROVED ASPHALTIC OR COAL TAR COATING



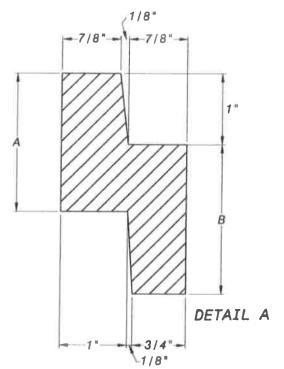
P&M4.2



P&M4.3

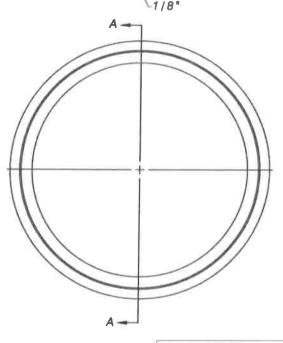


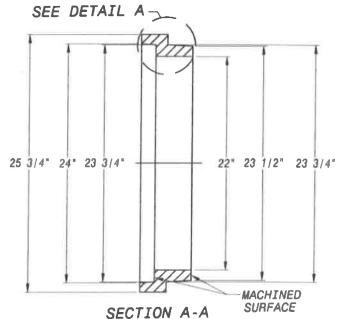
APPLICABLE STOCK NOS. 5680-9001-3, 12" 5680-9002-1, 2"



- -SECTION TO BE GRAY IRON CASTING, ASTM A-48 CLASS NO. 35B
- -CASTING SHALL CONFORM TO AND BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO STD M306, LATEST REVISION

NOMINAL RISE	Α	В
1 1/2"	1 1/2"	3-1/8"
2"	2"	3-1/8"





ALL DIMENSION ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

TOLERANCES: ± 1/16"

WASHINGTON ( SUBURBAN SANITARY COMMISSION ANPROVED:

PROCUREMENT AND MANUFACTURING DETAIL

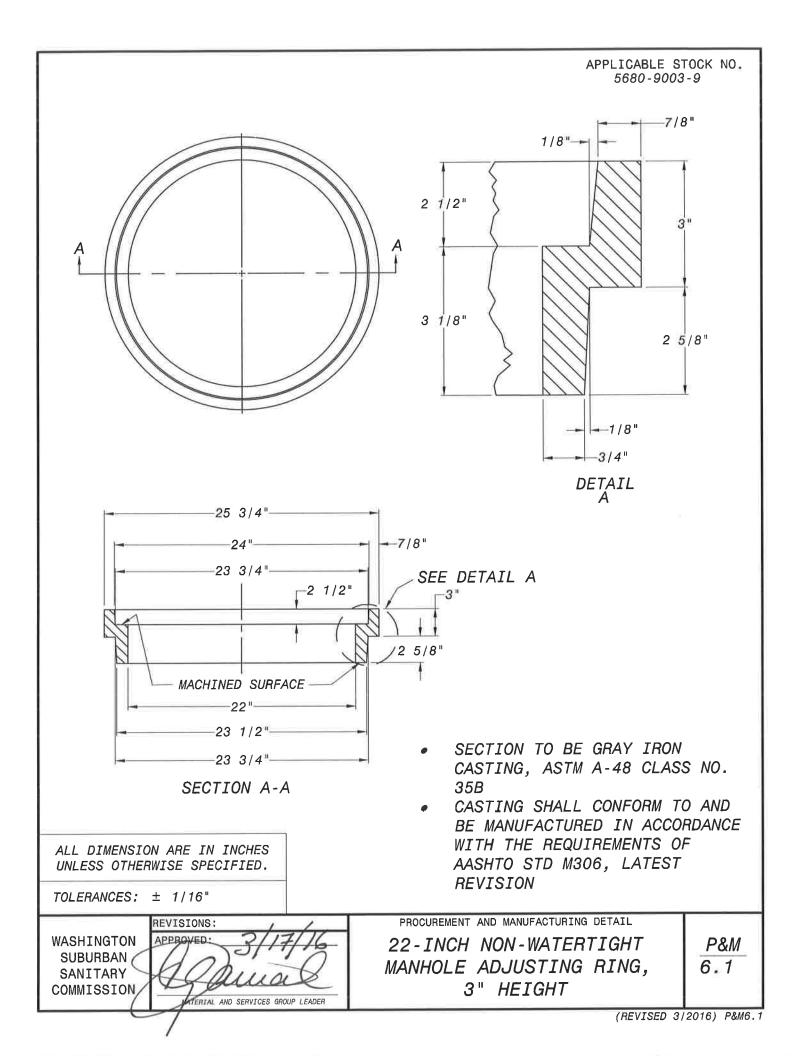
22-INCH NON-WATERTIGHT

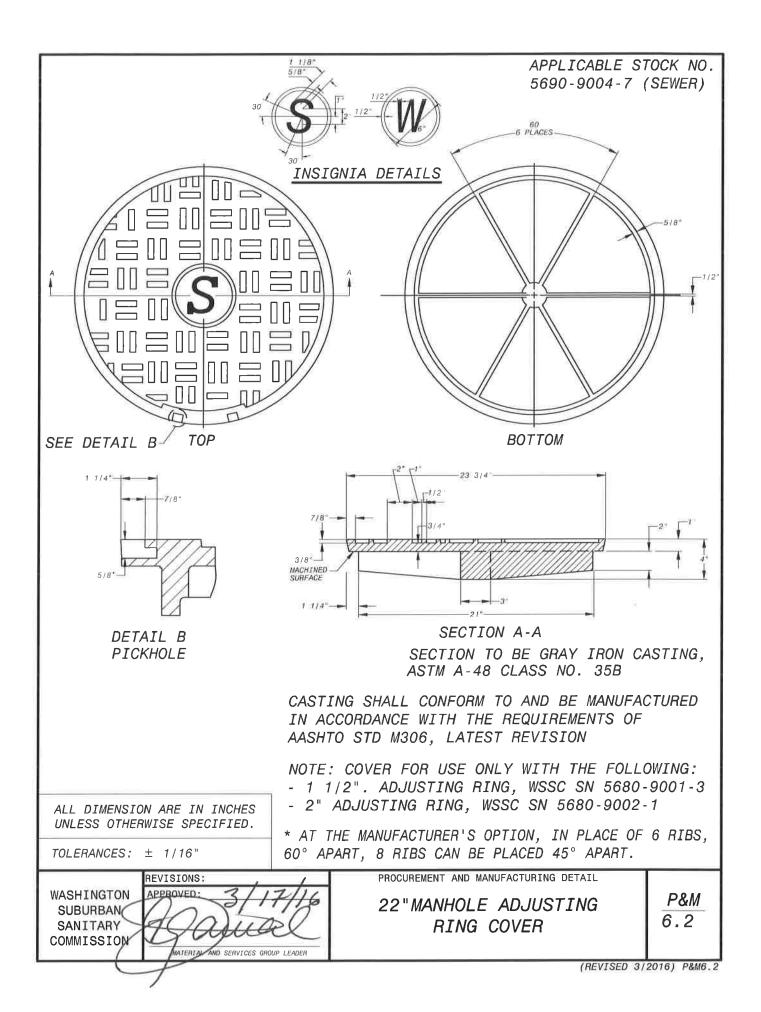
MANHOLE ADJUSTING RING,

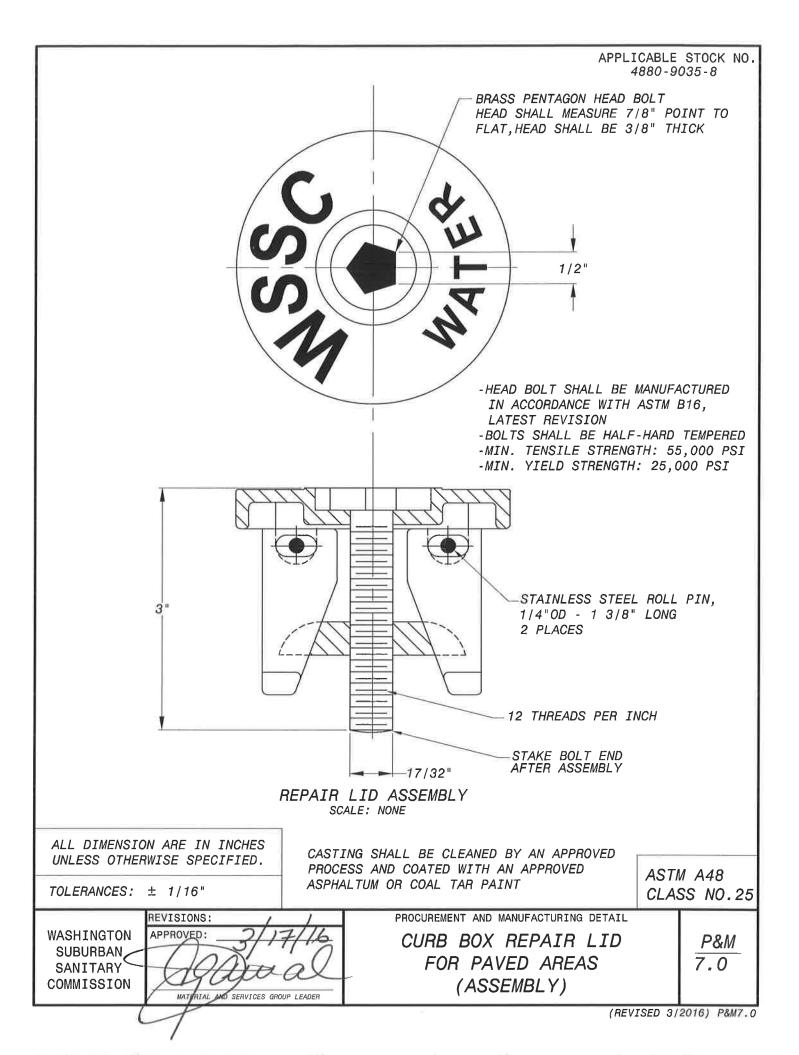
1½" AND 2" HEIGHT

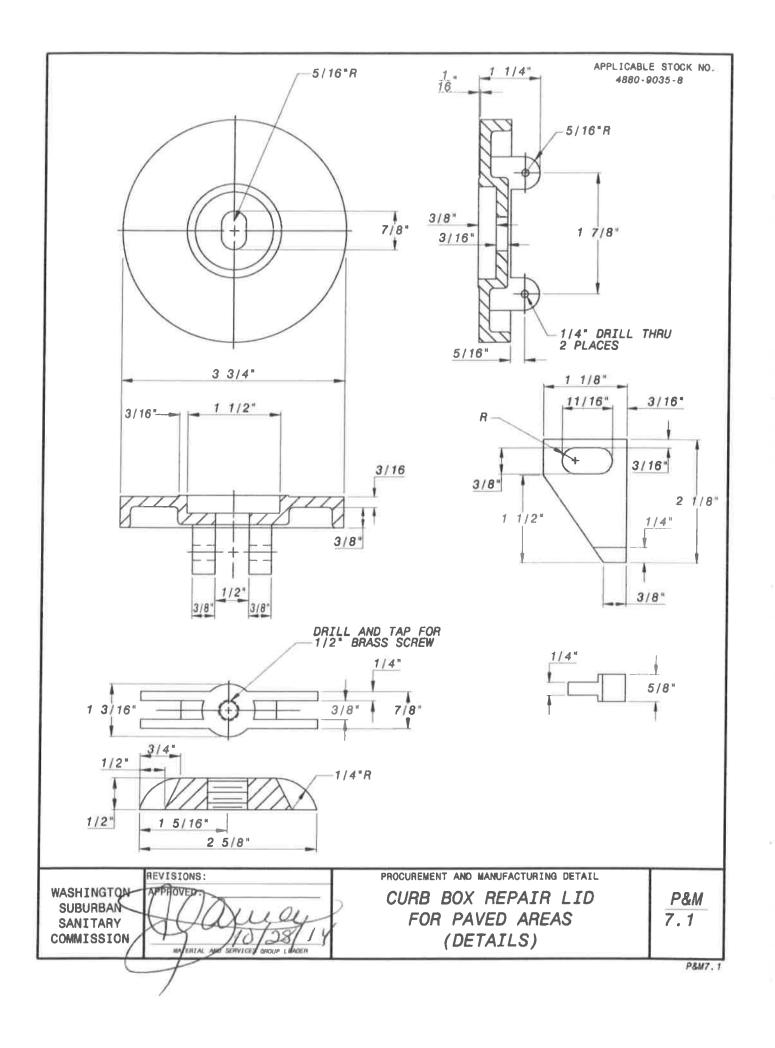
P&M 6.0

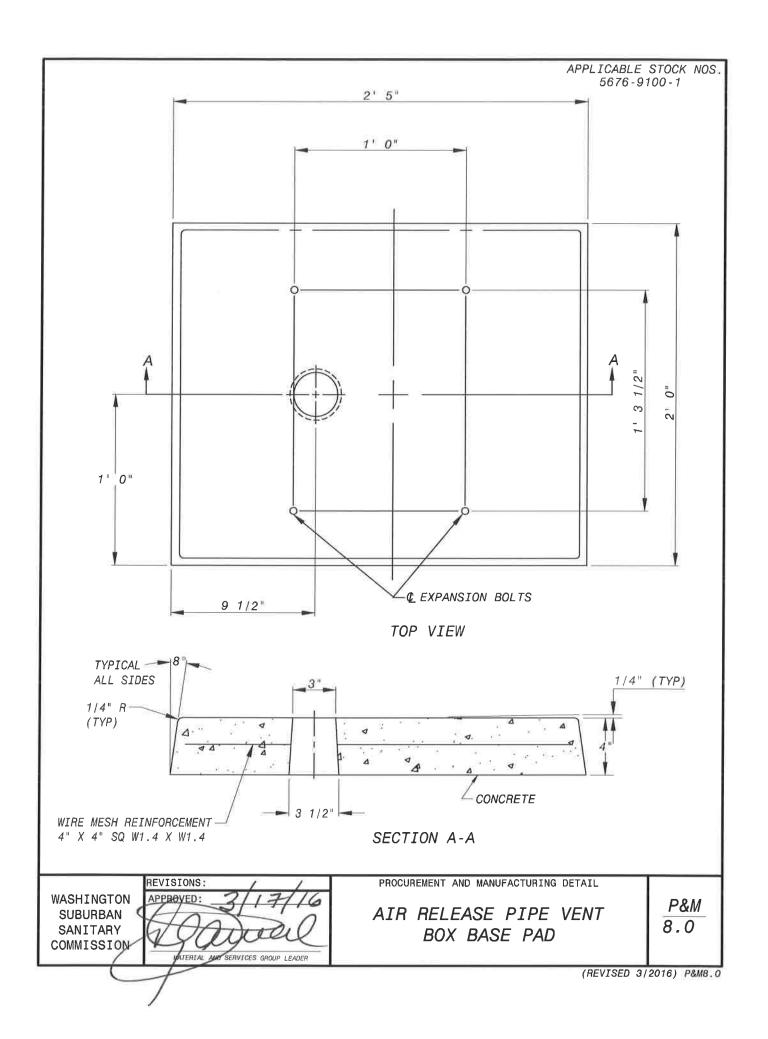
P&M6.0

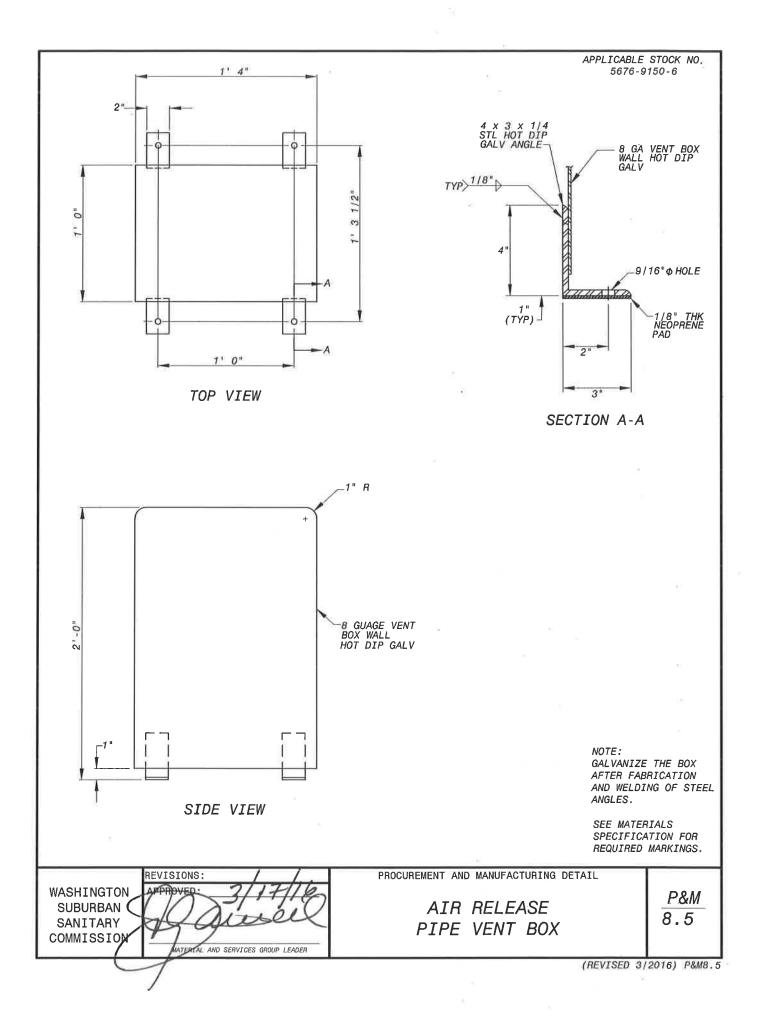


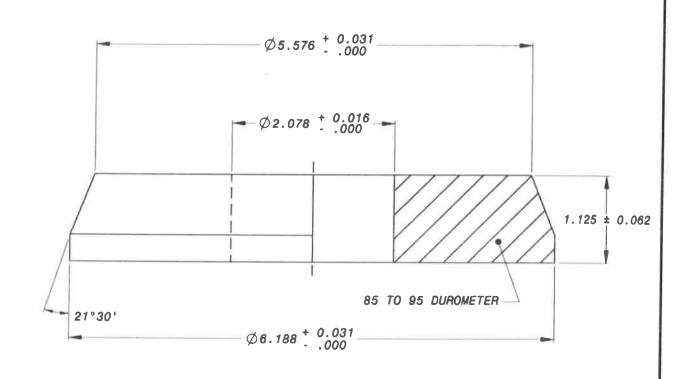












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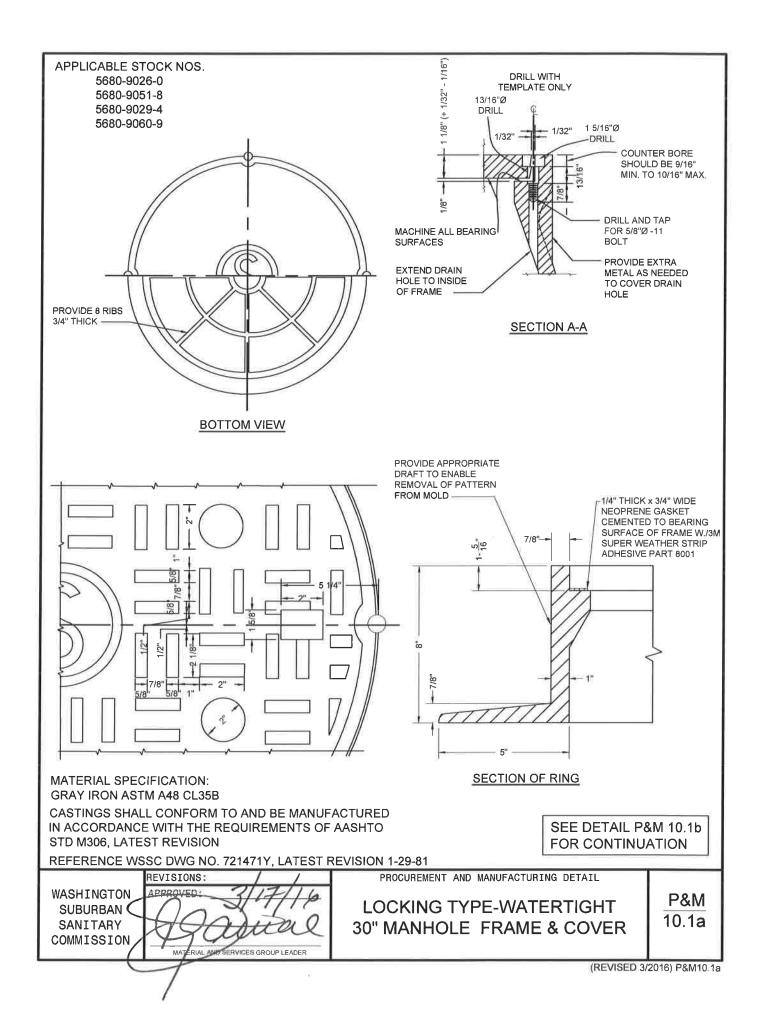
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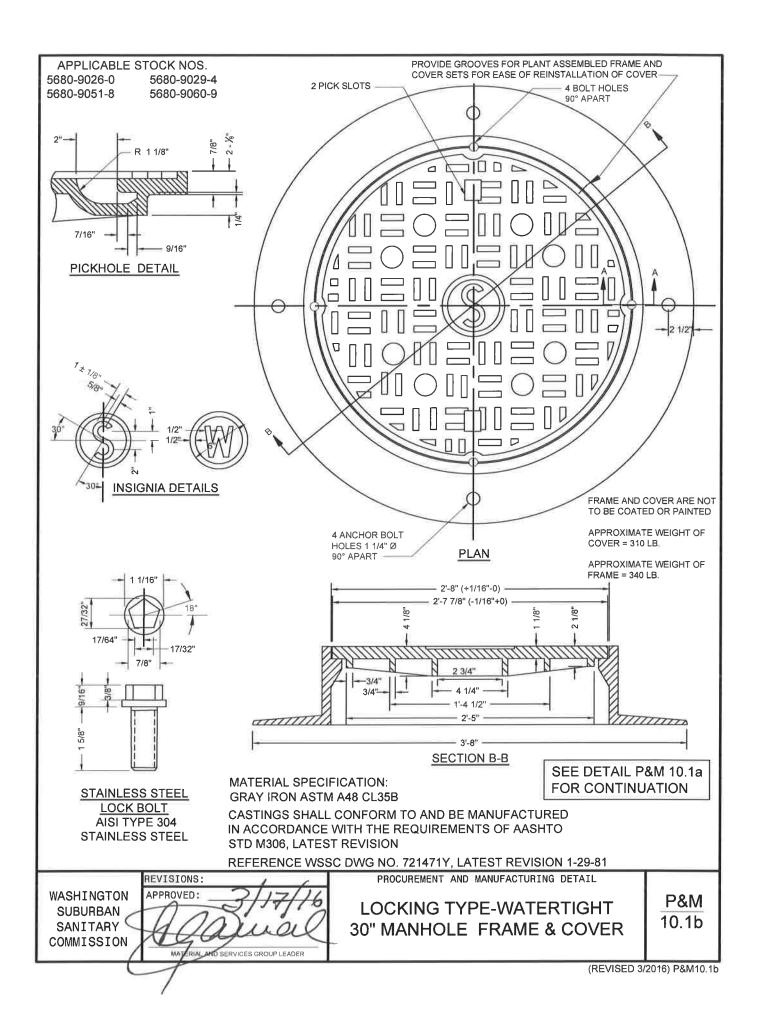
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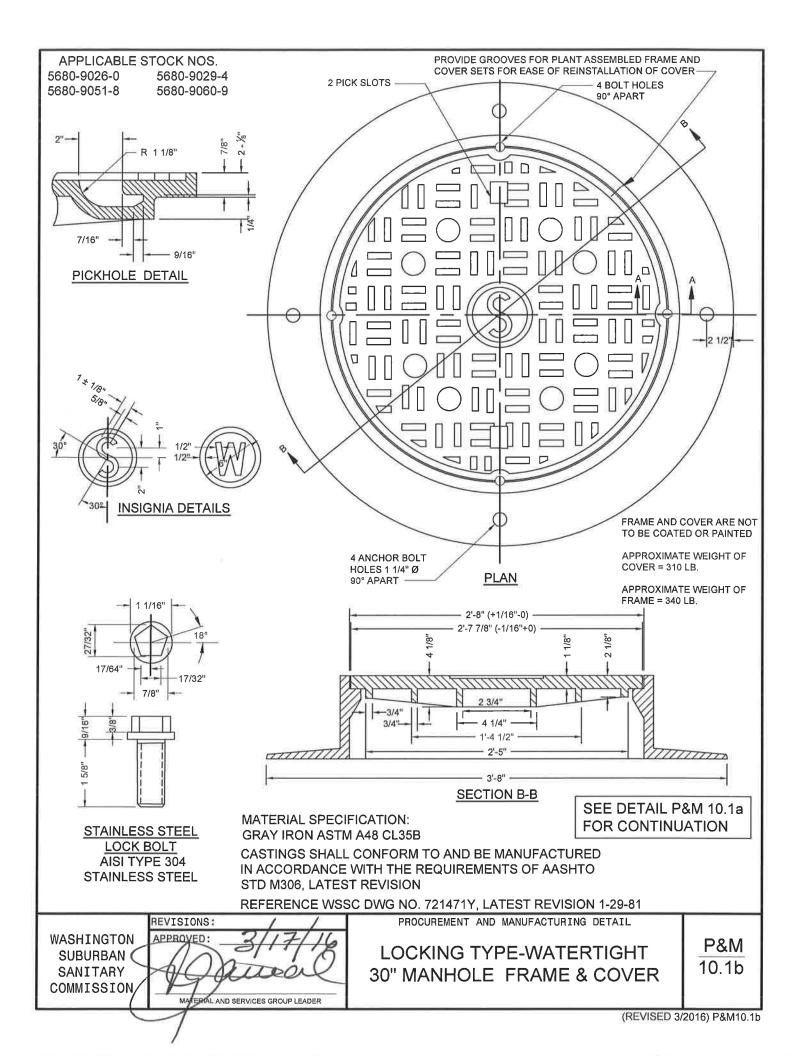
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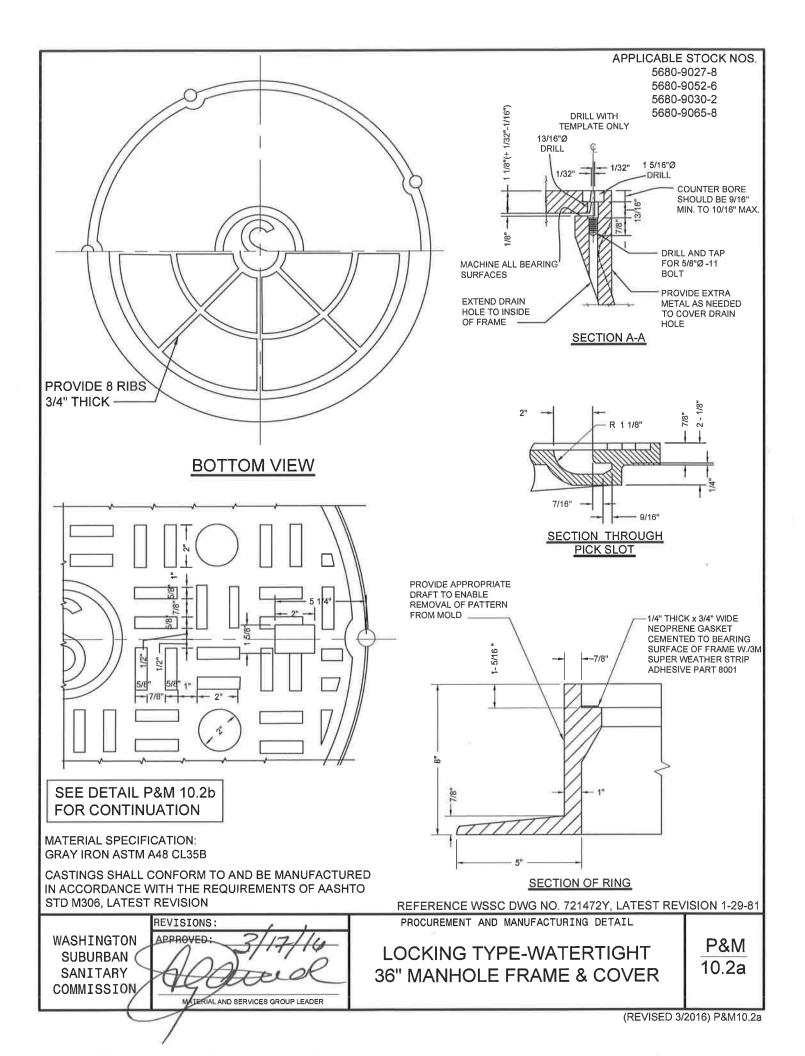
PROCUREMENT AND MANUFACTURING DETAIL

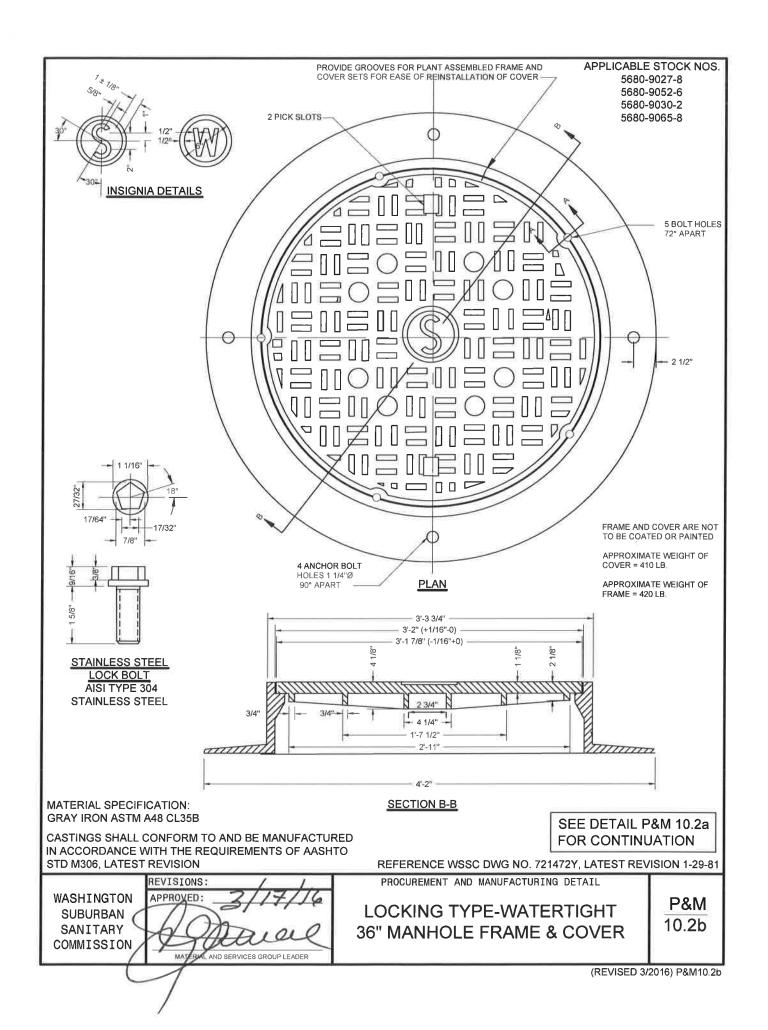
MAIN VALVE FOR IMPROVED L.D.WOOD MATHEWS ADAPTOR TYPE FIRE HYDRANT P&M 9.0

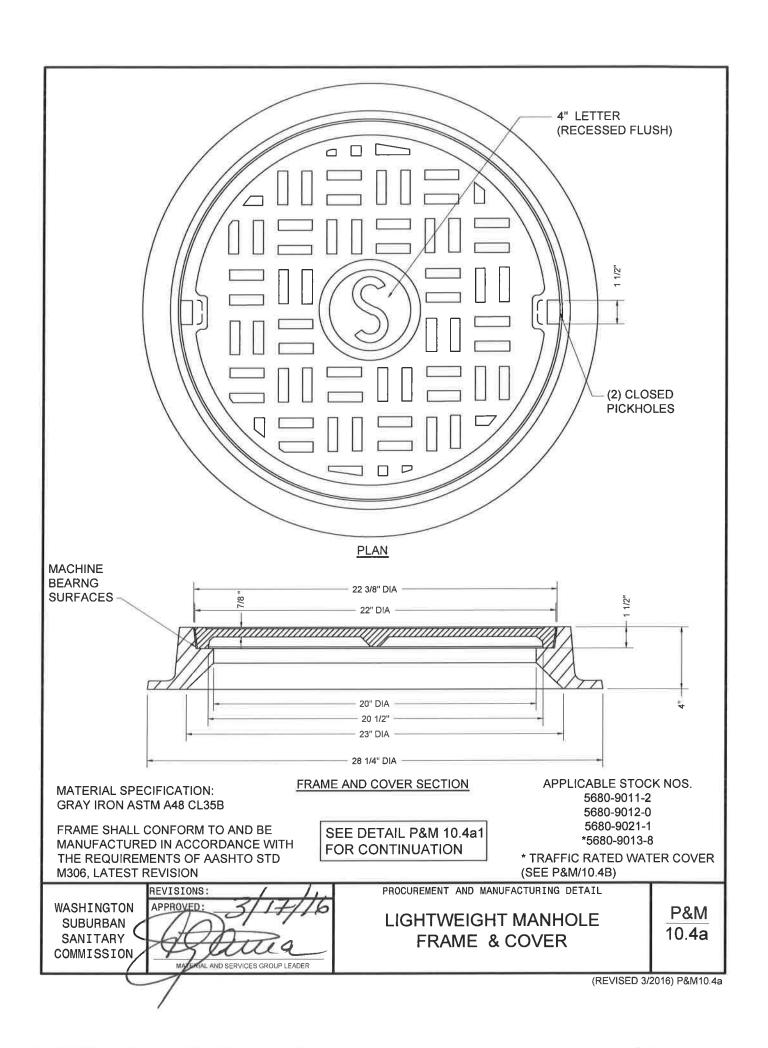


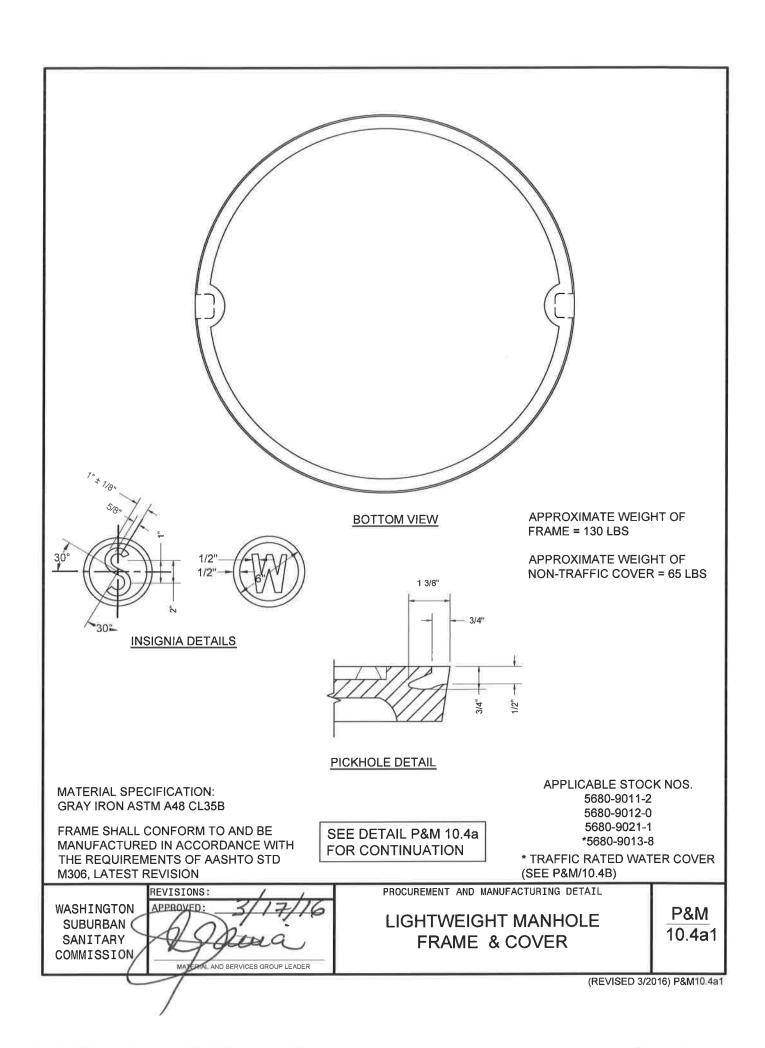


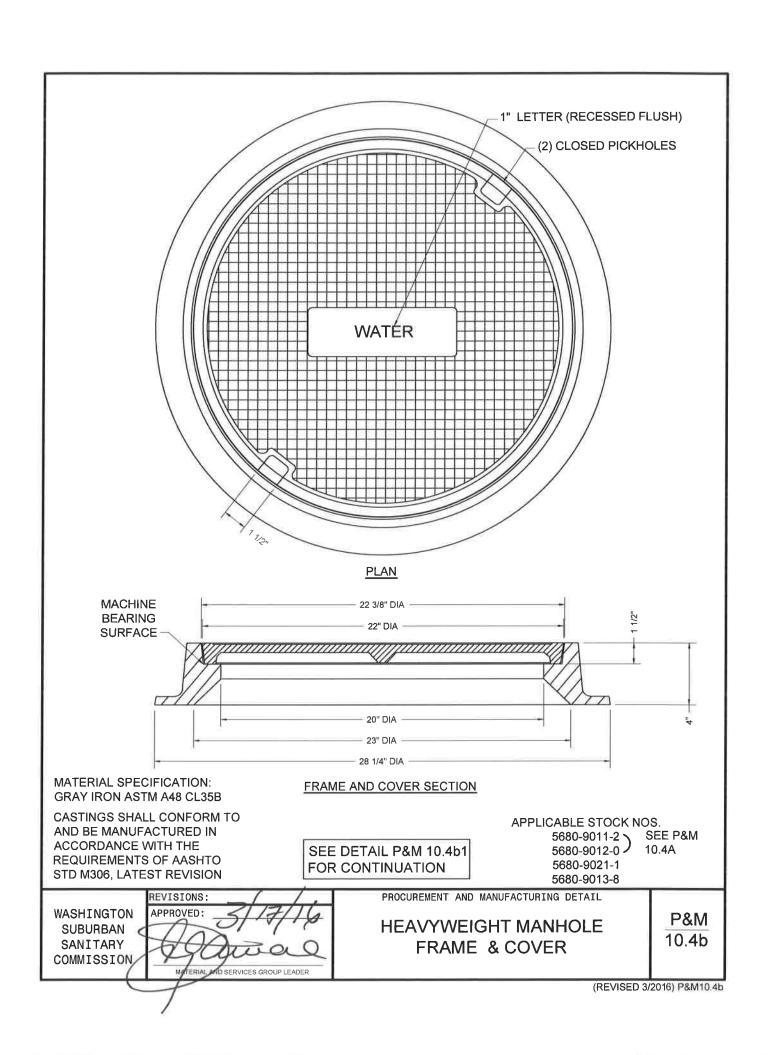


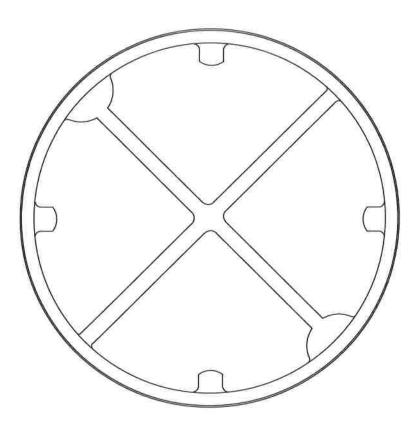




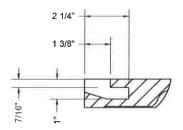








BOTTOM VIEW OF COVER



PICKHOLE DETAIL

APPROXIMATE WEIGHT OF FRAME = 130 LBS

APPROXIMATE WEIGHT OF HEAVY DUTY COVER = 75 LBS

CASTINGS SHALL CONFORM TO AND BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO STD M306, LATEST REVISION

MATERIAL SPECIFICATION: GRAY IRON ASTM A48 CL35B

SEE DETAIL P&M 10.4b FOR CONTINUATION APPLICABLE STOCK NOS.

5680-9011-2
5680-9012-0
10.4A
5680-9021-1
5680-9013-8

PROCUREMENT AND MANUFACTURING DETAIL

HEAVYWEIGHT MANHOLE FRAME & COVER

P&M 10.4b1

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APPROVED: 3/17//6

MAJERIAL AND SERVICES GROUP LEADER

