

Roanoke / Richmond New River Valley / Staunton Harrisonburg / Lynchburg www.balzer.cc

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BTC

BTC

N/A

SCALE REVISIONS 3/31/2021

4/15/2021

P.R. #2 8/9/2021

STRUCTURE AND BOLTED IN PLACE.

EDM SEAL SHALL HAVE A MINIMUM THICKNESS OF 60 MILS.

POLYOLEFIN BACKED EXTERIOR JOINT WRAP SHALL HAVE A BACKING BAND ELEMENT WITH MINIMUM THICKNESS OF 4 MILS. AND BUTYL ROLLER ADHESIVE WITH MINIMUM

WITH MANUFACTURERS RECOMMENDATIONS BASED ON PIPE SIZE AND ANGLE BETWEEN INLET AND OUTLET PIPING.
6' MINIMUM DIAMETER MANHOLE SHALL BE REQUIRED
WHEN DEPTHS EXCEED 15' UNLESS OTHERWISE
APPROVED BY PARTICIPATING UTILITY.

ADJUSTMENT RINGS IF NECESSARY

MINIMUM SLOPE FOR

4" Ø=1/4" PER 1'-0" 6" Ø=1/8" PER 1'-0"

BUTYL MASTIC JOINT SEALER OR GASKETS

MEETING ASTM C443 AND ASTM C1244 TESTING -

RPZ BACKFLOW PREVENTE INSTALLED ABOVE GROUN

PRIVATE SYSTEM
PUBLIC SYSTEM

• INDUSTRIAL PROCESS WATER NOT ENTERING SEWER

PARTICIPATING UTILITY PRIOR TO INSTALLATION.

SHALL BE: POWERSEAL 3417, OR 3412AS, ROMAC 202S, OR 306, OR FORD METER FS202 OR FS303, FOR

DUCTILE IRON PIPE USE THE ABOVE OR POWERSEAL \$413, ROMAC 202 OR FORD METER F202.

CORPORATION STOP SHALL BE FORD FB1000-4-G-NL, MUELLER B-25008 OR APPROVED EQUAL.

METER BOX SHALL BE CARSON/MID-STATES PLASTICS, INC. PLASTIC BOX WITH FORD "A" DOMESTIC SERIES

FRAME WITH A NICOR DOMESTIC 12.25 CX LID WITH SENSUS RECESS AND WVWA LOGO, ADS CORRUGATED

HDPE BOX WITH FORD "A" DOMESTIC SERIES FRAME WITH A NICOR DOMESTIC 12.25 CX LID WITH SENSUS RECESS AND WWW LOGO OR APPROVED EQUAL. METER BOX SHALL NOT BE PLACED IN AREAS SUBJECT 1 VEHICULAR TRAFFIC. IF TRAFFIC BEARING BOX IS REQUIRED, DESIGN ENGINEER SHALL CONSULT WITH PARTICIPATING UTILITY TO DETERMINE SITE SPECIFIC REQUIREMENTS.

SERVICE SHALL BE "K" "TYPE COPPER, OR COPPER TUBE SIZE POLYETHYLENE (PE) 4710, SODR-9 (200 psi).

PRESSURE REDUCING VALVE WITH INTEGRAL PRESSURE RELIEF VALVE SHALL BE WILKINS NR3XLEC OR APPROVED EQUAL. TO BE SUPPLIED AND INSTALLED BY CONTRACTOR UPSTREAM OF METER.
THIS CONFIGURATION IS REQUIRED WHEN THE WATER PRESSURE AT THE WATER MAIN EXCEEDS 120 PSI.
WHENEVER SIDEWALK EXISTS OR IS PROPOSED, MODIFY METER LOCATION AS DIRECTED.

WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

WATER SINGLE RESIDENTIAL SERVICE FOR HIGH PRESSURE (LINE PRESSURE OVER 120 PSI)

PRESSURE REDUCING

SADDLE & STOP

LOCKABLE SHUTOFF -

METER SETTER & BOX TO BE

CONNECTION SEE NOTE #3

SET AT FINAL GRADE OF SITE

1" SERVICE

RIGHT-OF-WAY EASEMENT LINE

DUAL CHECK VALVE

MARKED OR STAKED

18" DIA. 12"-18"

(1'-0" MAX ADJUSTMENT) SEE FRAME & COVER DETAILS

STANDARD (NO MORTAR)

THICKNESS OF 60 MILS. SEAL SHALL AGGRESSIVELY BOND