



1208 Corporate Circle
Roanoke, Virginia 24018
Phone: 540/772-8880
Fax: 540/772-8890

501 Branchburg Road
Roanoke, Virginia 24060
Phone: 540/453-0152
Fax: 540/453-0153

880 Technology Park Drive
Roanoke, Virginia 24060
Phone: 540/453-0152
Fax: 540/453-0153

4488 Rogers Mill Road, NW
Roanoke, Virginia 24018
Phone: 540/681-4090
Fax: 540/681-4091

1489 Commerce Road
State 201
Roanoke, Virginia 24060
Phone: 540/681-4090
Fax: 540/681-4091

MOUNTAIN VIEW SUBDIVISION STANDARD UTILITY DETAILS

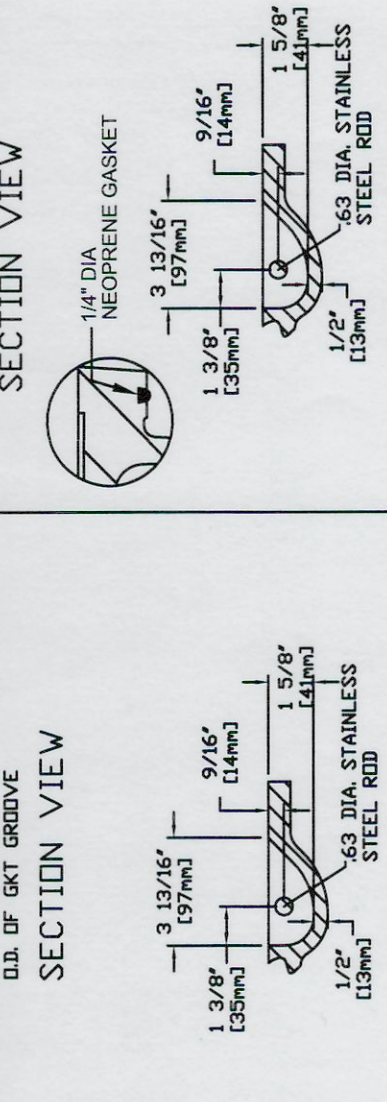
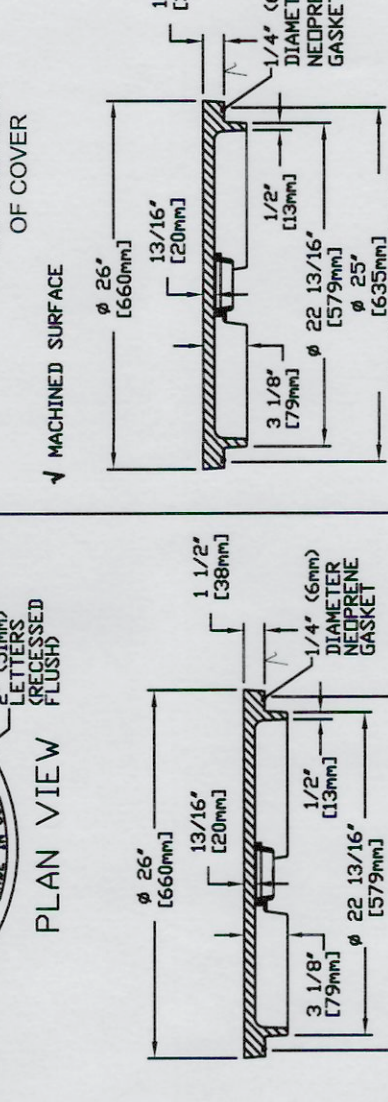
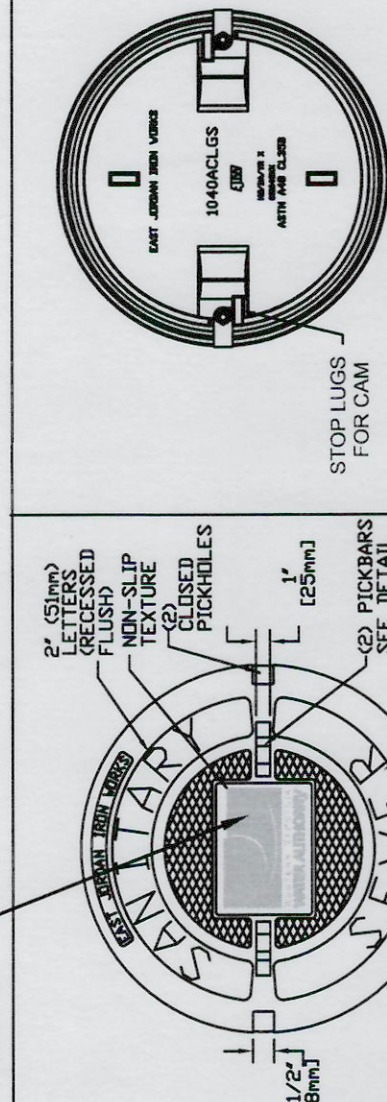
ROANOKE COUNTY, VIRGINIA

DRAWN BY: JVV
DESIGNED BY: JVV
CHECKED BY: SMH
DATE: 10/09/2006
REVISIONS:

02/21/07 - PER 3RD
REVIEW COMMENTS
01/23/2014

SCALE: 1"=30'
SHEET NO. **C-16**
JOB NO. R060065.00

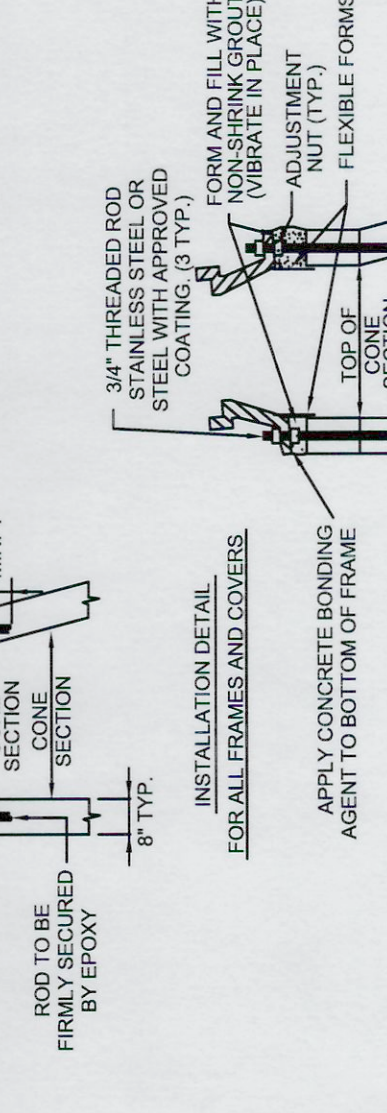
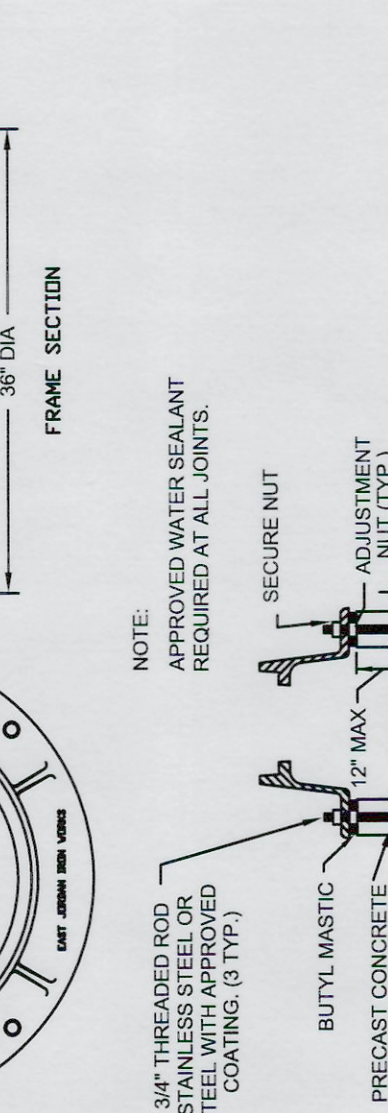
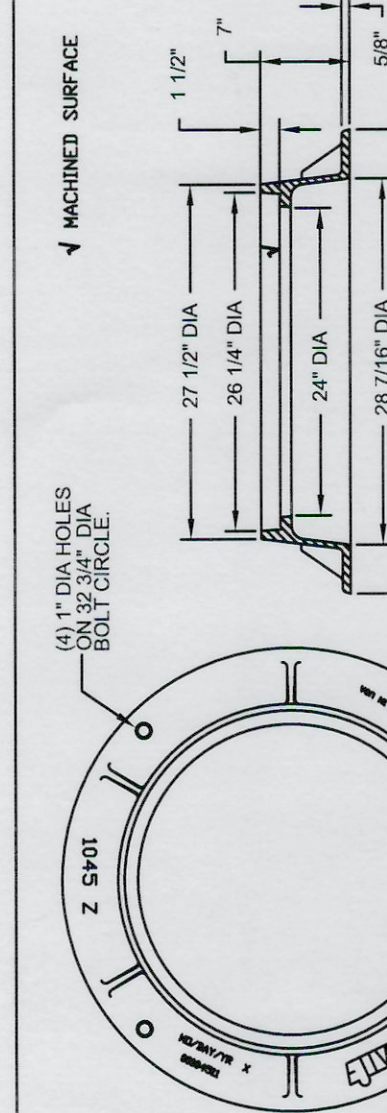
NOTE: EXISTING LIDS, FRAMES, ETC. SHALL BE REINFORCED WITH STEEL, SYMBOL OR NAME ON IT WILL NOT BE ACCEPTED.



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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REVISION	DATE	DESCRIPTION
01/03/04		
03/01/06		

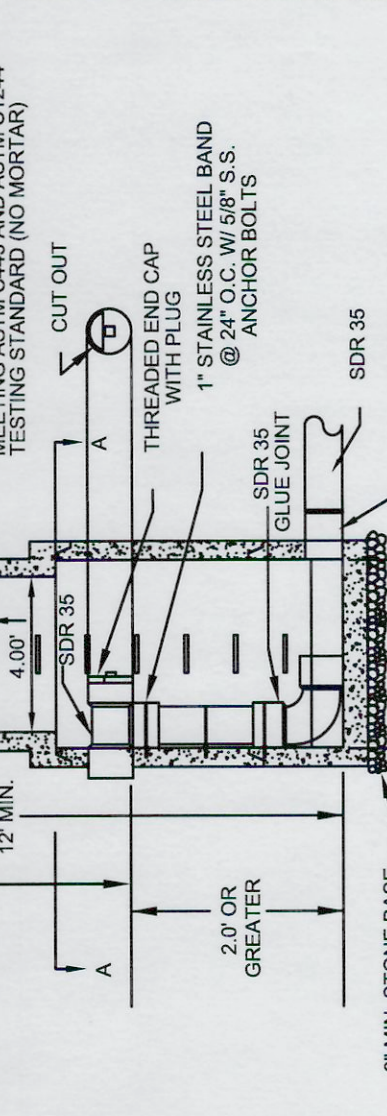
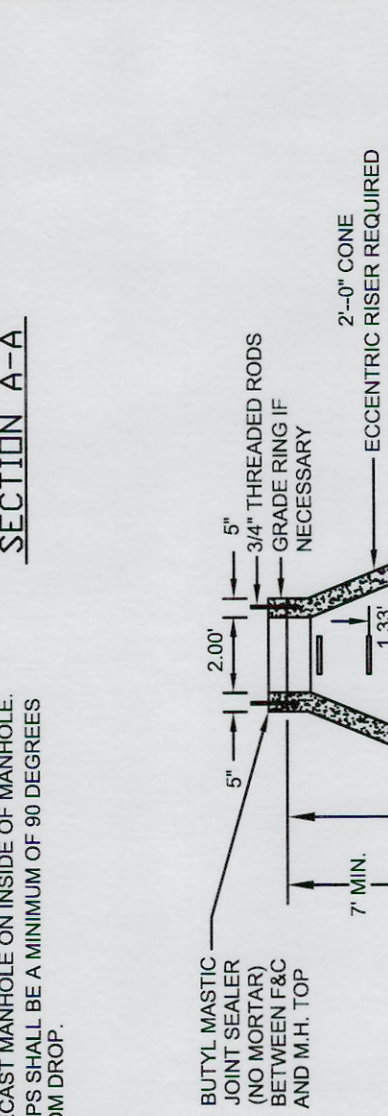
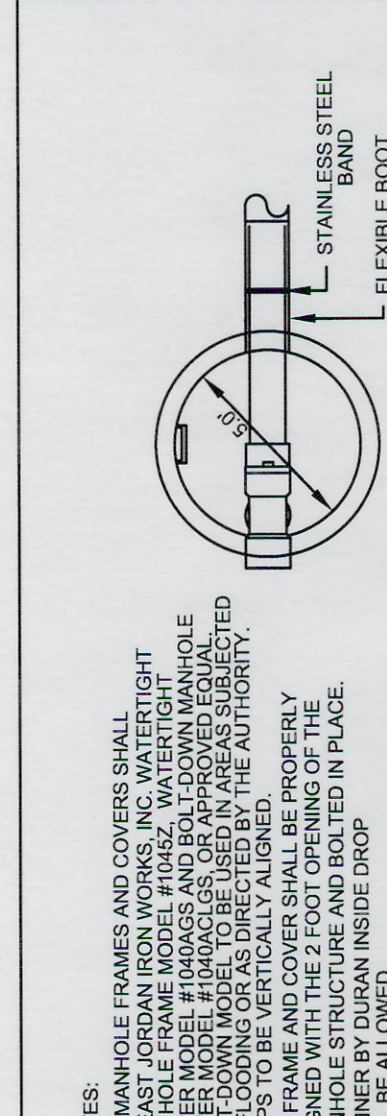
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
WATERTIGHT MANHOLE COVER
S-06



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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03/01/06		

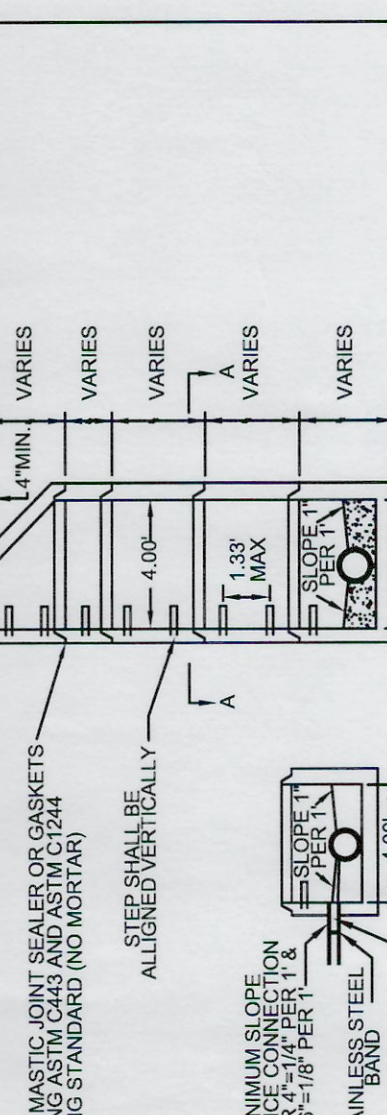
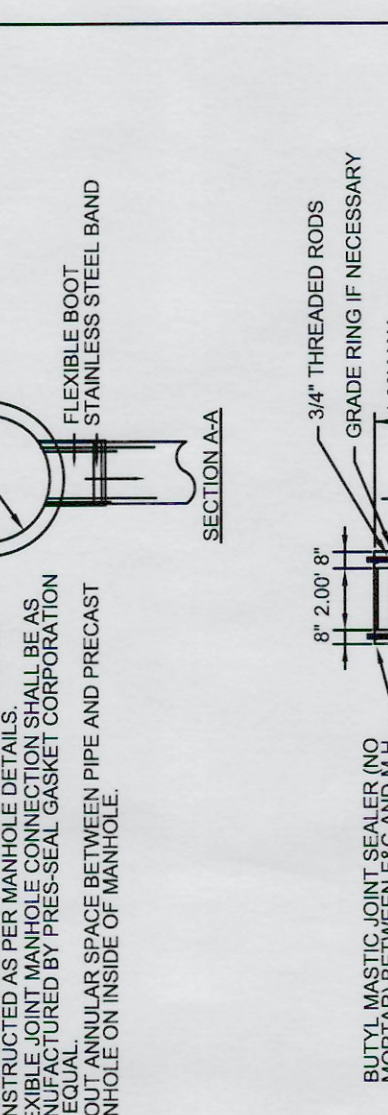
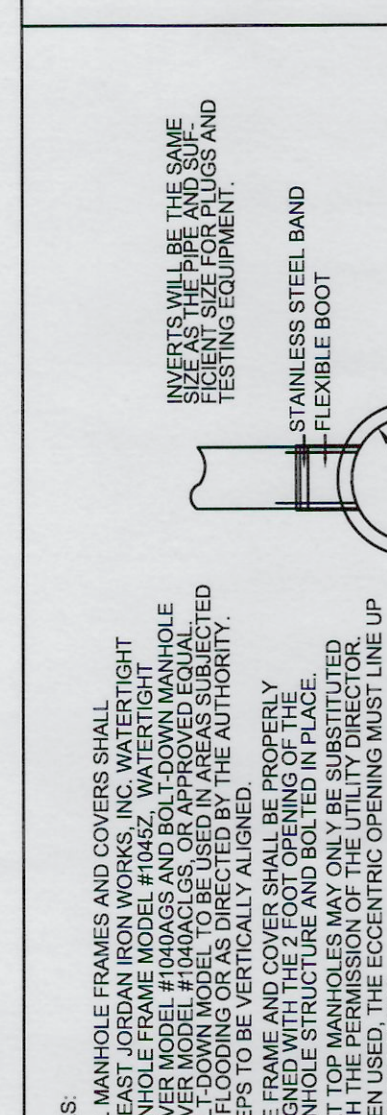
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
WATERTIGHT MANHOLE FRAME
S-05



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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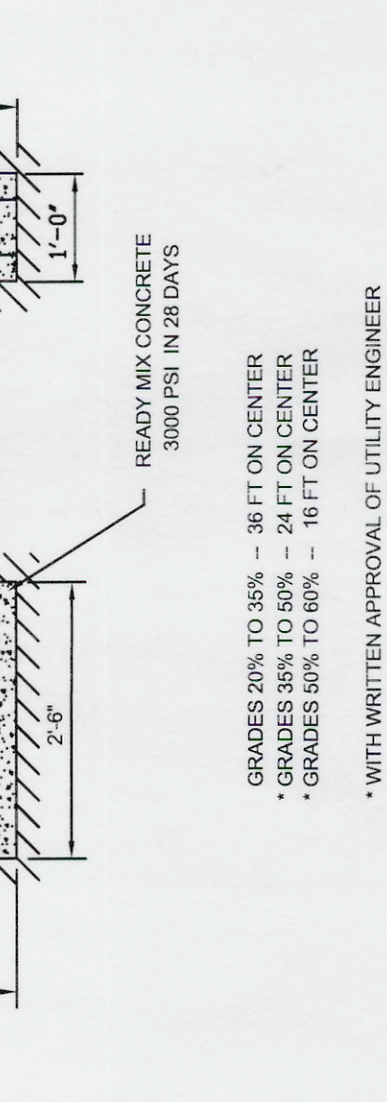
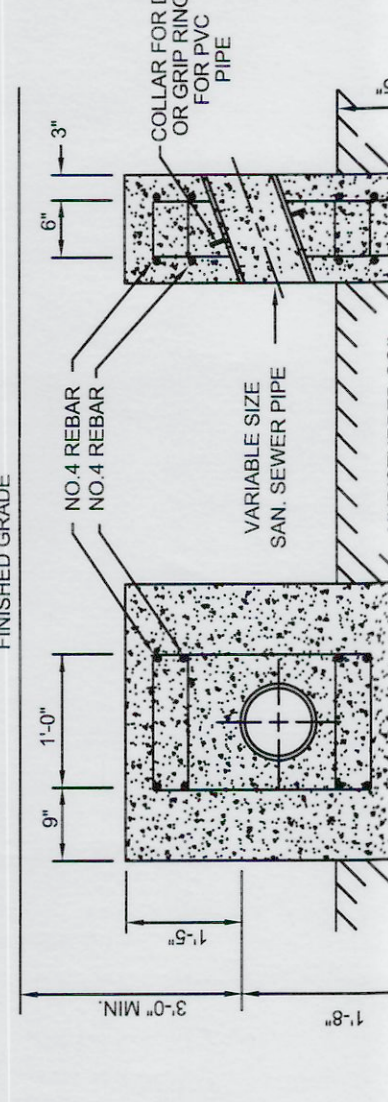
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
MAINLINE OR LATERAL
INSIDE DROP MANHOLE
(FOR USE WITH PVC PIPE)
S-04



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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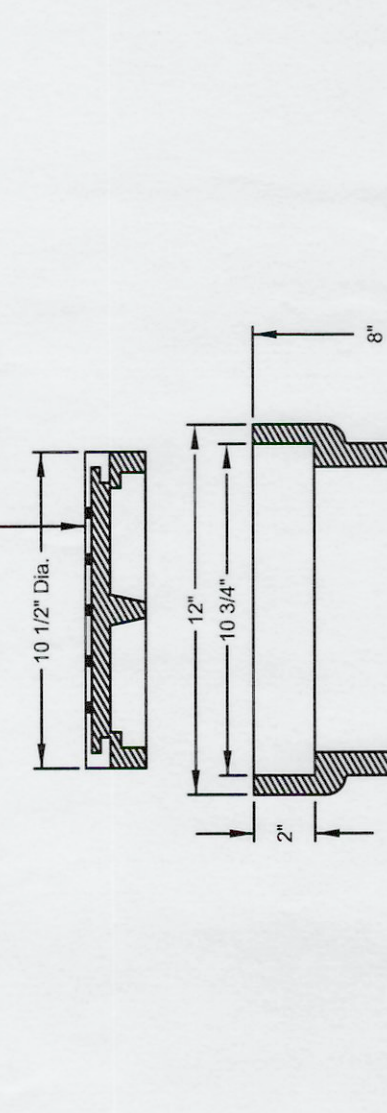
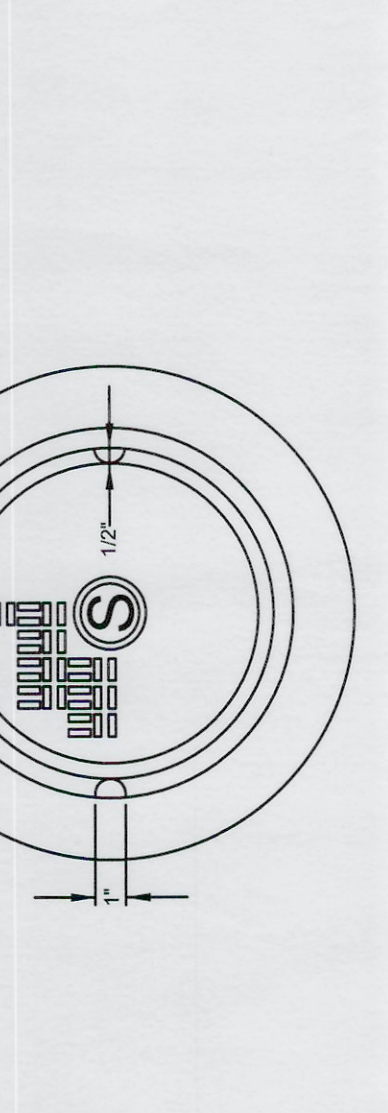
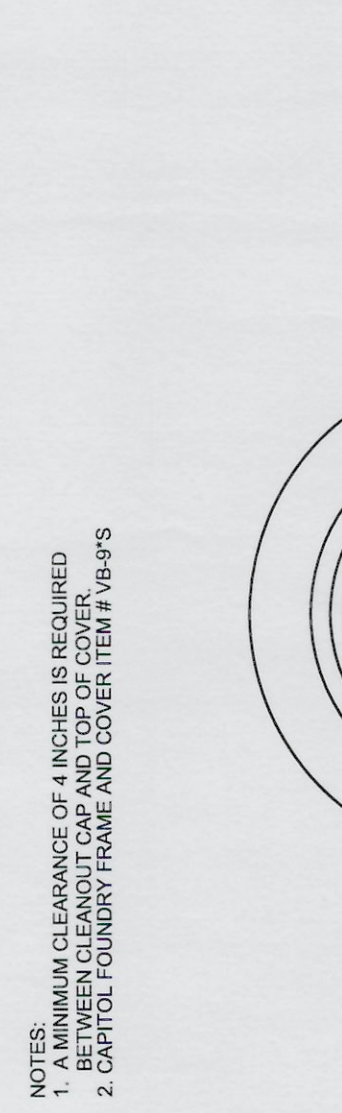
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
4" STANDARD MANHOLE
FOR PIPE 15" OR SMALLER
S-01



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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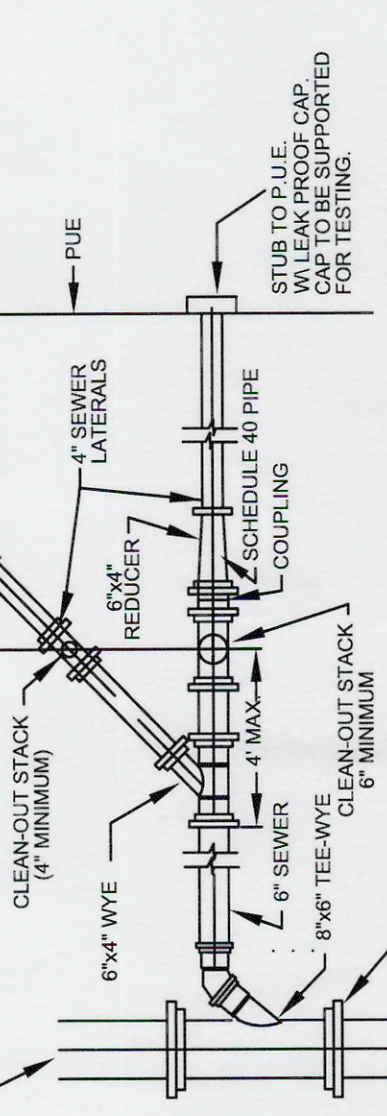
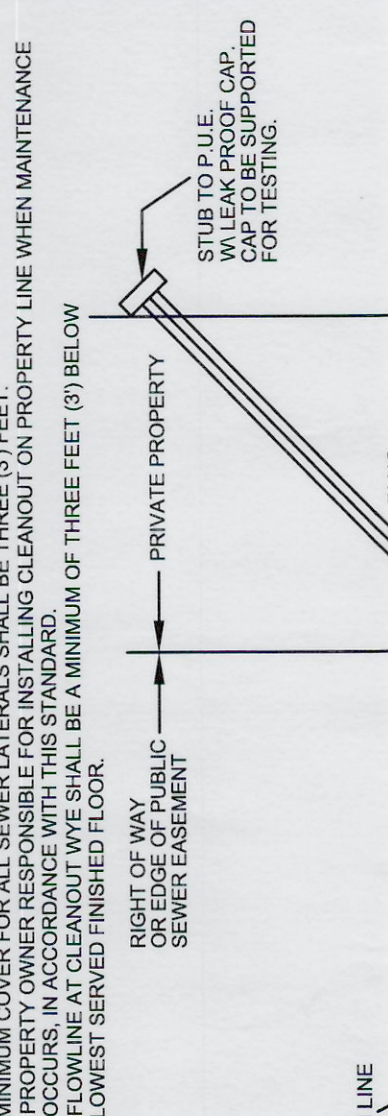
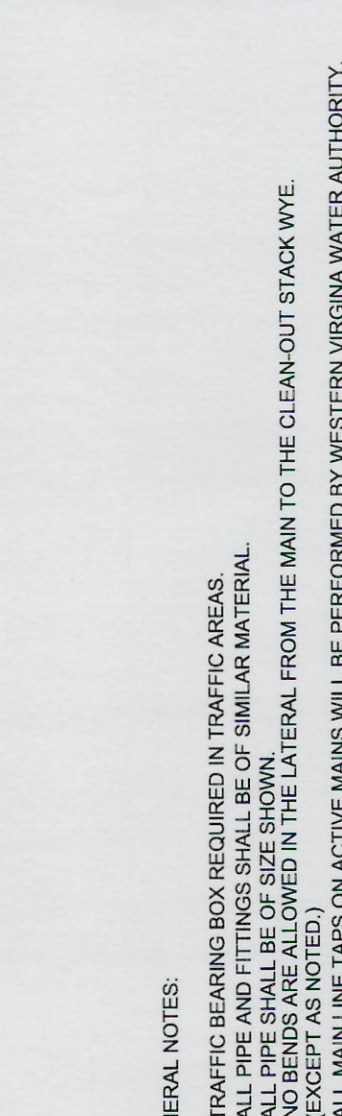
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
ANCHOR BLOCK
S-17



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
2. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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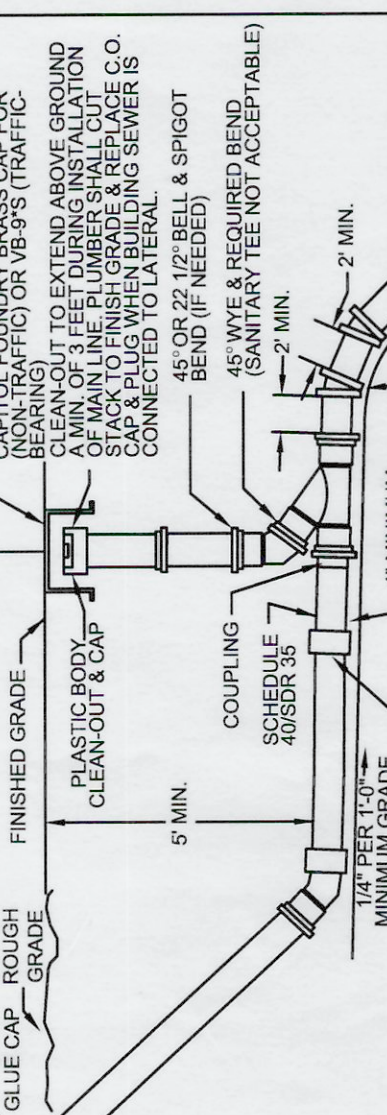
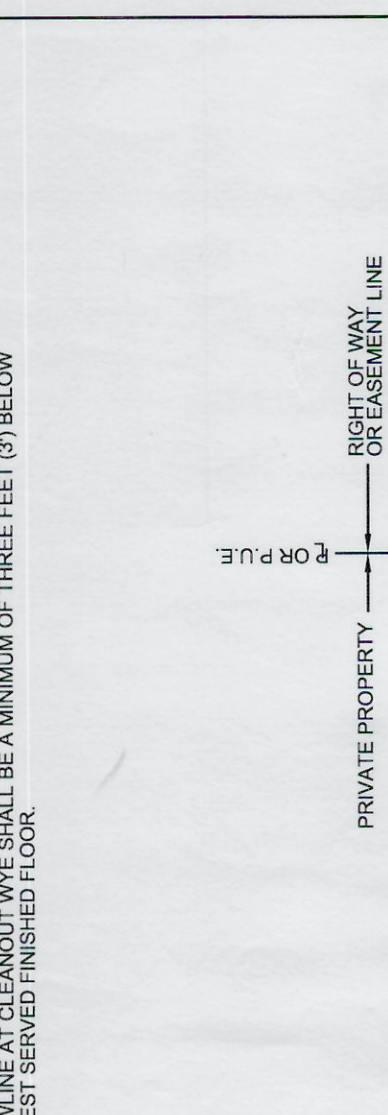
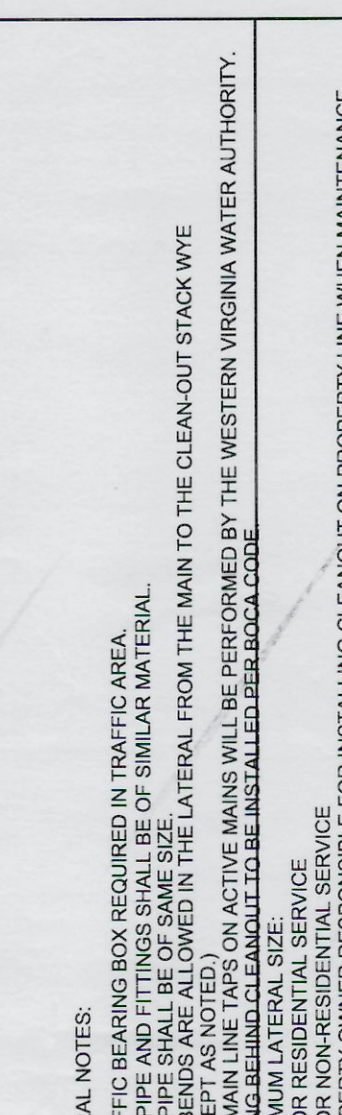
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
TRAFFIC BEARING
CLEANOUT BOX
S-13



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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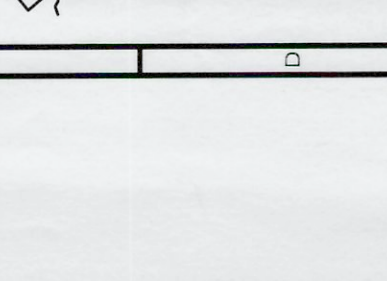
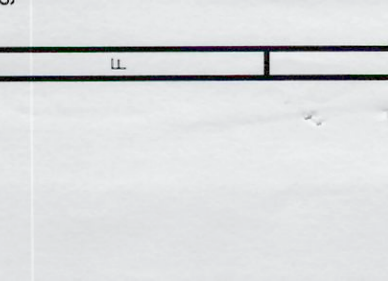
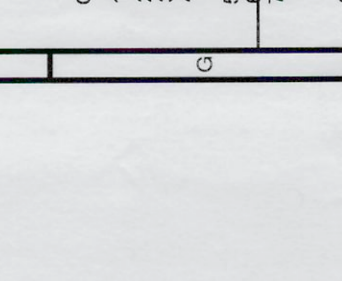
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
COMBINED 6" BY
TWO 4" LATERALS
S-11



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
SANITARY SEWER LATERAL
FOR DEEP SEWER
S-09



1. BOLT-DOWN MANHOLE COVER MODEL #1048Z
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WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS
SANITARY SEWER LATERAL
FOR DEEP SEWER
S-08