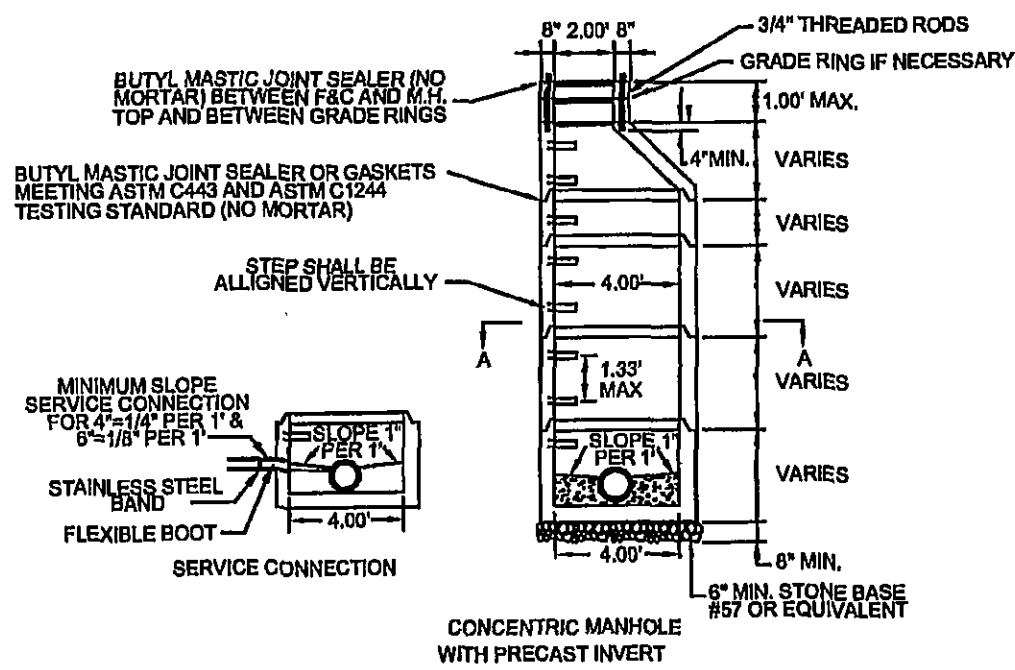
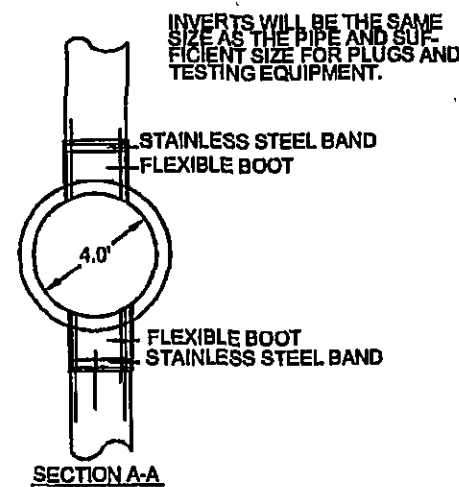


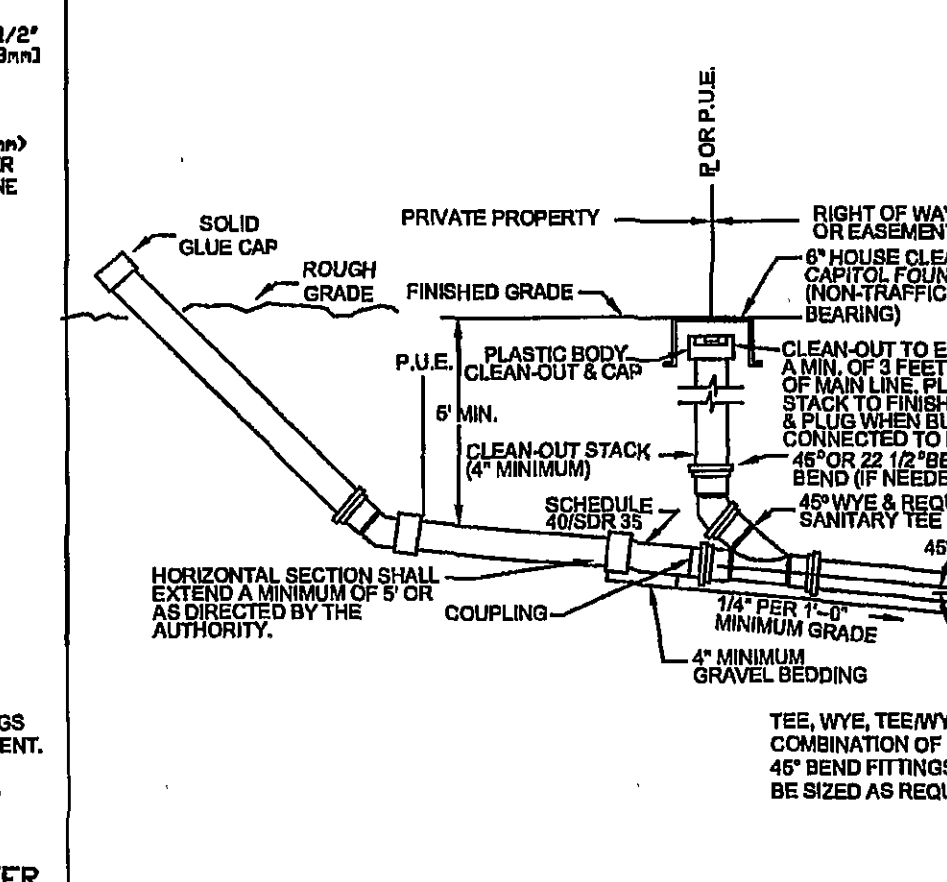
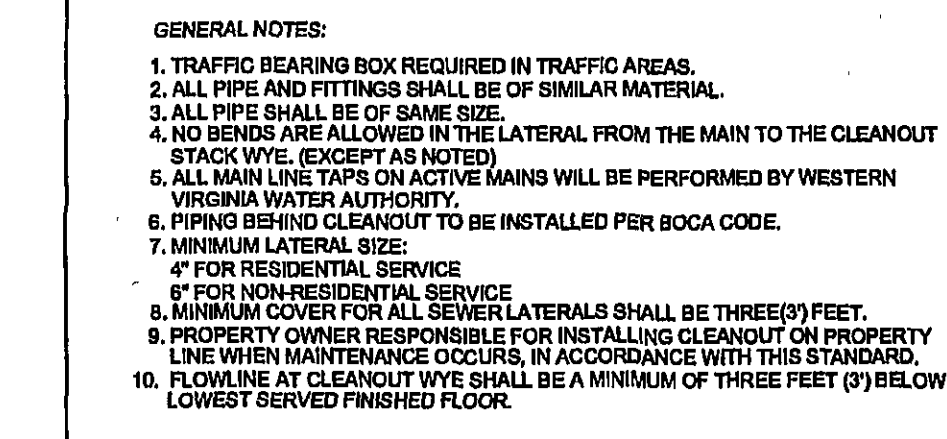
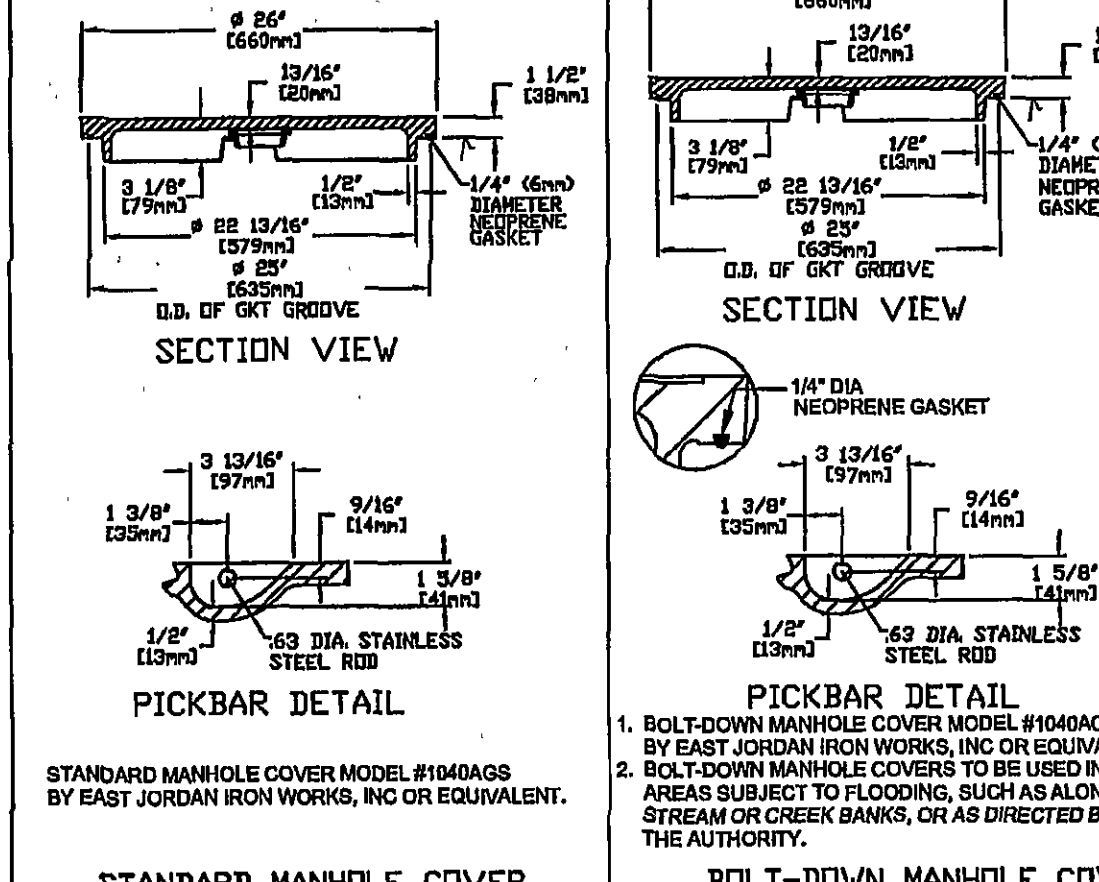
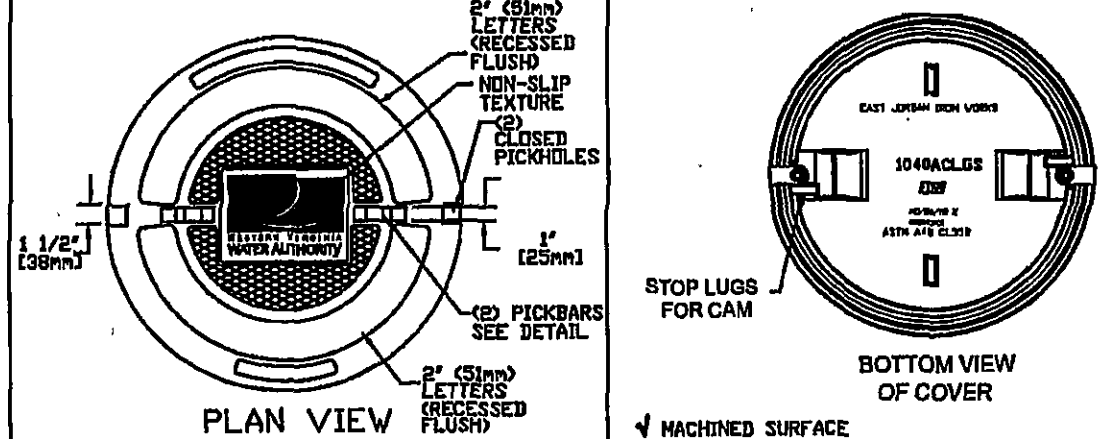
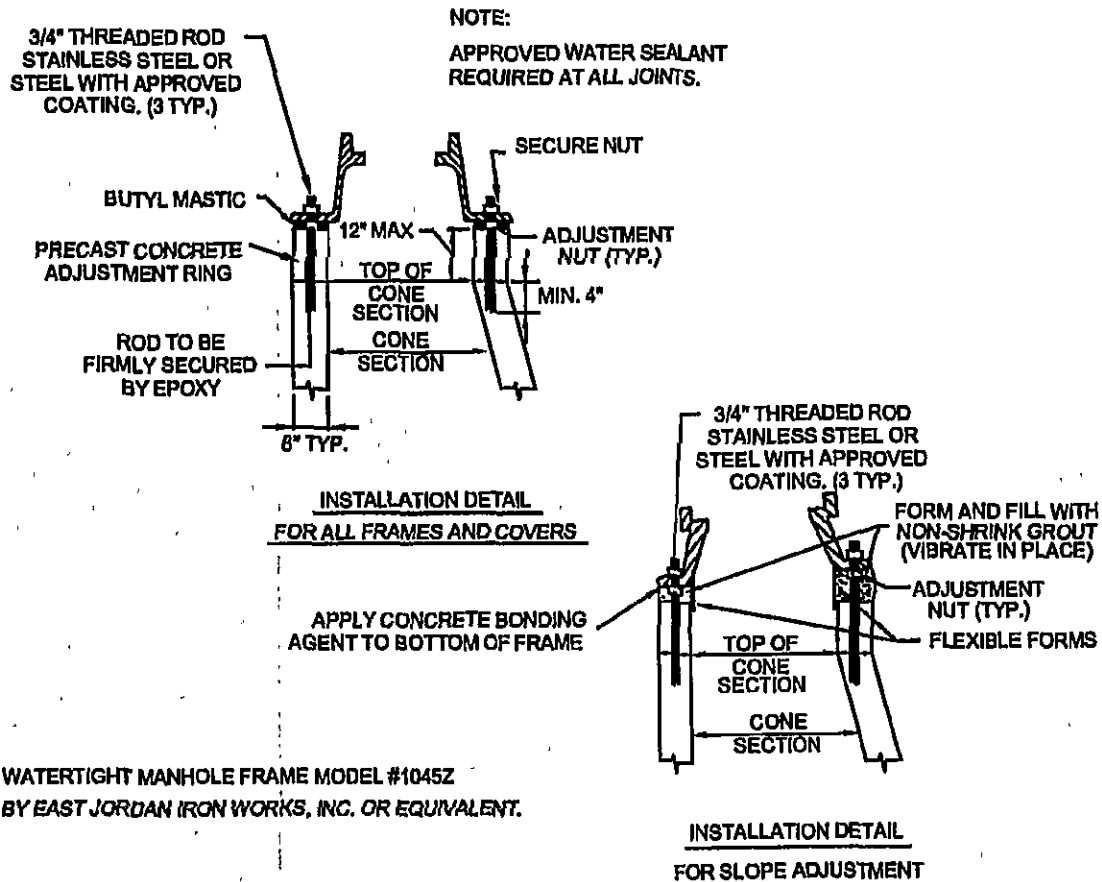
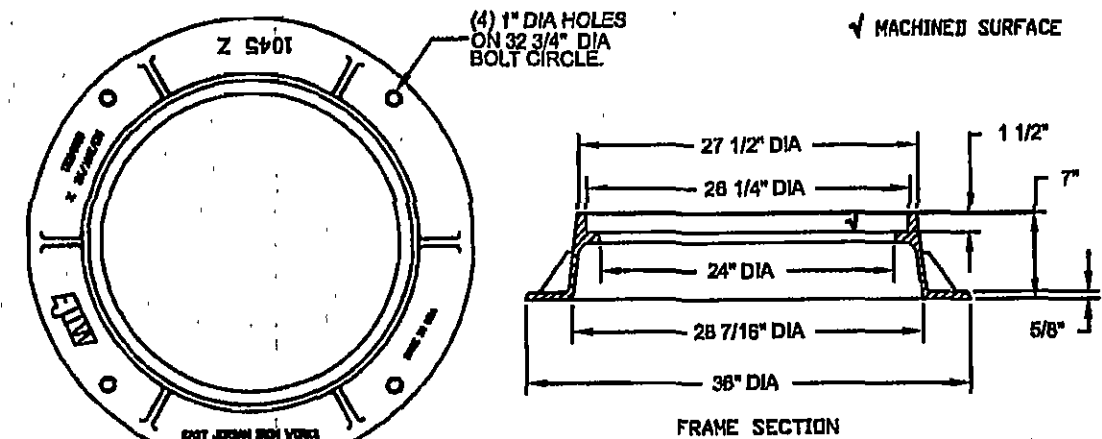
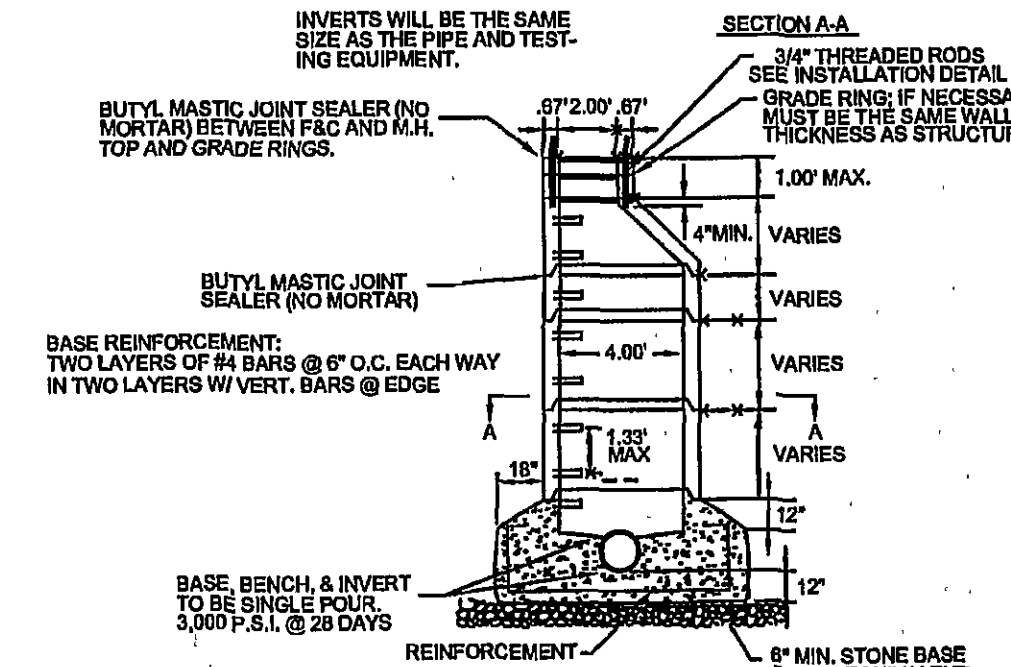
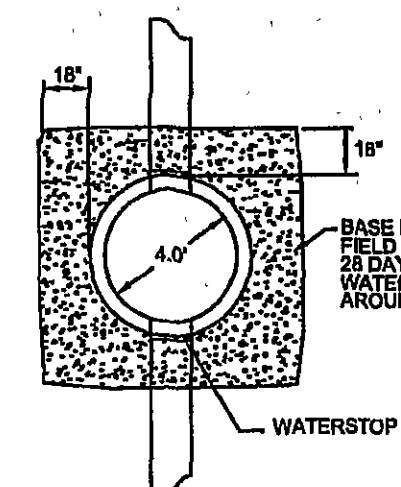
NOTES:

1. ALL MANHOLE FRAMES AND COVERS SHALL BE EAST JORDAN IRON WORKS, INC. WATER TIGHT MANHOLE FRAME MODEL #1042Z, WATER TIGHT COVER MODEL #1040AGS AND BOLT-DOWN MANHOLE COVER MODEL #1040AGS OR APPROVED EQUIVALENT.
2. STEPS TO BE VERTICALLY ALIGNED.
3. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE FOOTING OR FOUNDATION. THE MANHOLE STRUCTURE AND BOLT-DOWN COVER SHALL BE SUBSTITUTED WITH THE PERMISSON OF THE UTILITY DIRECTOR WHEN USED. THE SEICENTRIC OPENING MUST LINE UP WITH THE STEPS.
4. SAMPLING MANHOLES IN TRAFFIC AREAS SHALL BE CONSTRUCTED AS PER MANHOLE DETAILS.
5. FLEXIBLE JOINT MANHOLE CONNECTION SHALL BE MANUFACTURED BY PRES-SEAL, GRABER CORPORATION OR EQUAL.
6. GROUT ANNUAL SPACE BETWEEN PIPE AND PRECAST MANHOLE ON INSIDE OF MANHOLE.



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WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	DATE
07/01/04		
03/01/08		

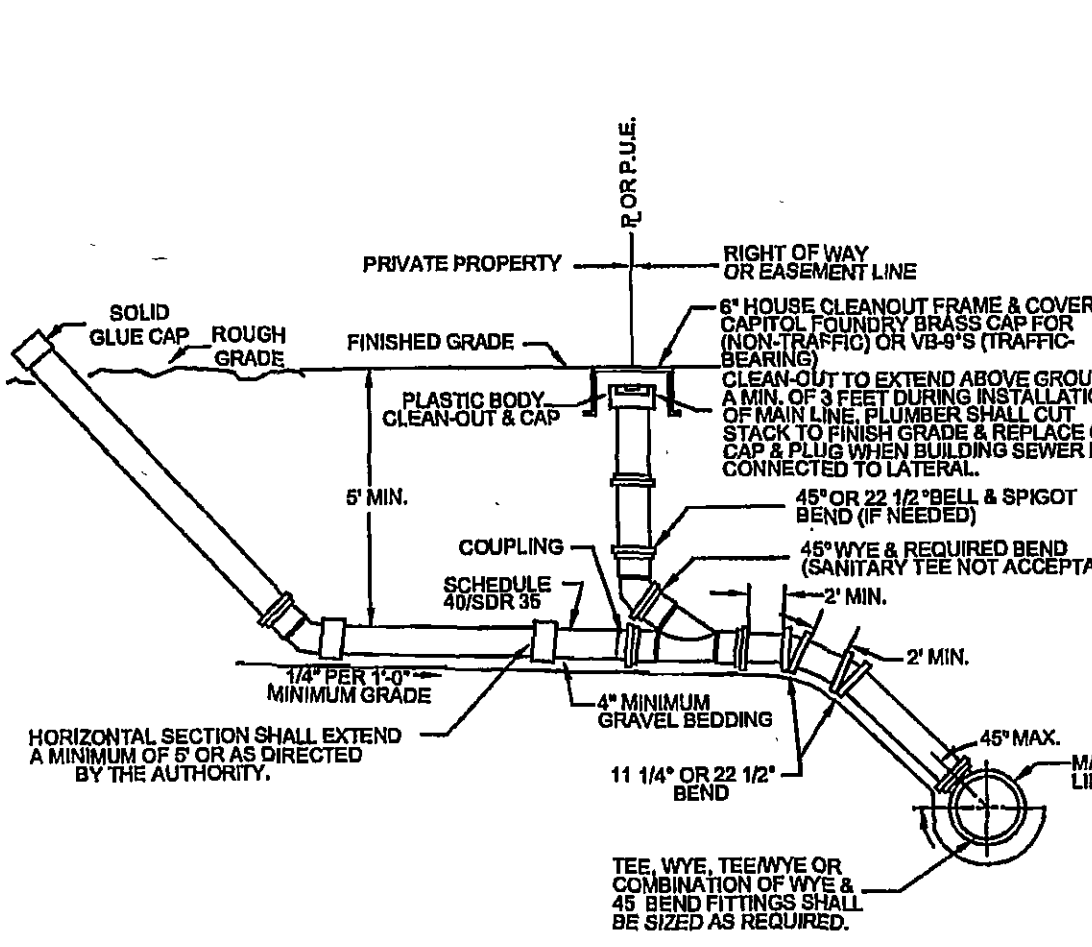
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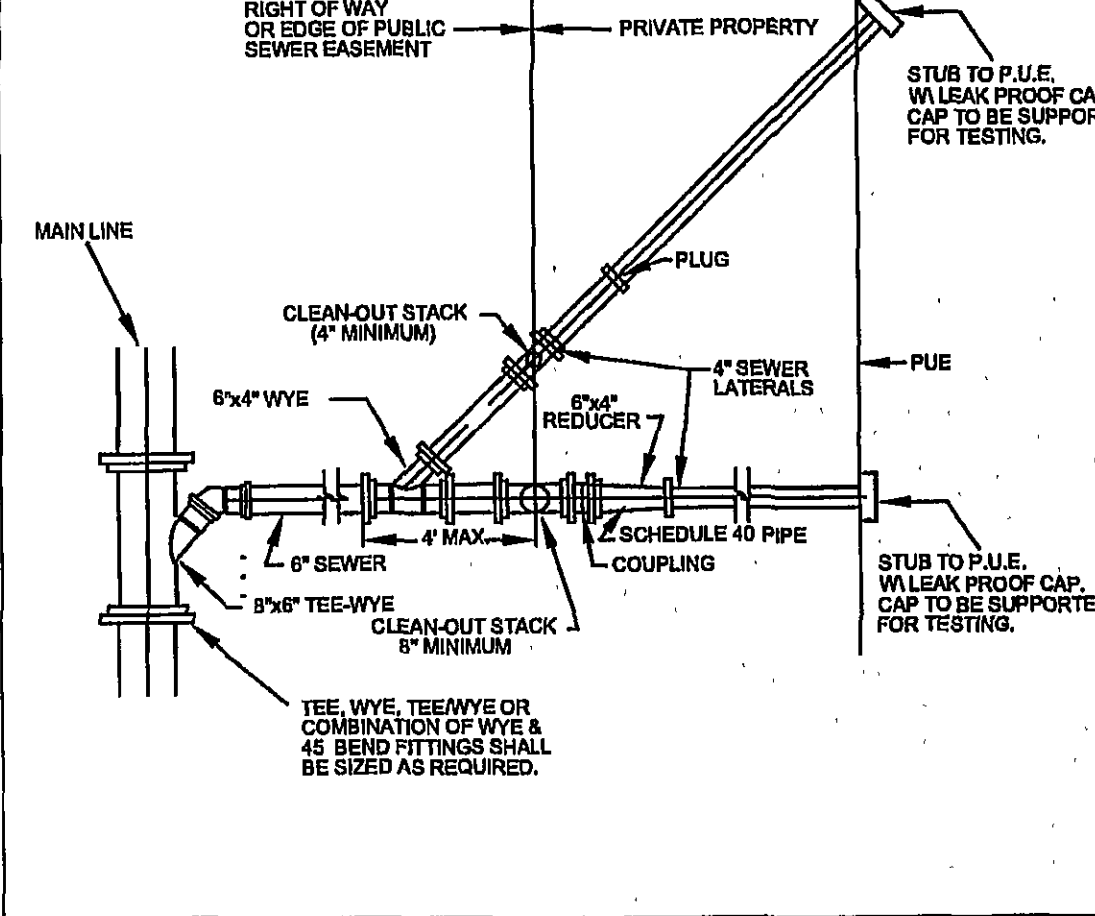
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	DATE
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03/01/08		

1. TRAFFIC BEARING BOX REQUIRED IN TRAFFIC AREA.
2. ALL PIPE AND FITTINGS SHALL BE OF SIMILAR MATERIAL.
3. ALL PIPE SHALL BE OF SAME SIZE.
4. NO BENDS ARE ALLOWED IN THE LATERAL FROM THE MAIN TO THE CLEAN-OUT STACK WYE (EXCEPT AS NOTED).
5. ALL MAIN LINE TAPS ON ACTIVE MAINS WILL BE PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. (EXCEPT AS NOTED).
6. MINIMUM LATERAL SIZE: 4" FOR RESIDENTIAL SERVICE, 6" FOR NON-RESIDENTIAL SERVICE.
7. PROPERTY OWNER RESPONSIBLE FOR INSTALLING CLEANOUT ON PROPERTY LINE WHEN MAINTENANCE OCCURS, IN ACCORDANCE WITH THIS STANDARD.
8. FLOWLINE AT CLEANOUT WYE SHALL BE A MINIMUM OF THREE FEET (3') BELOW LOWEST SERVED FINISHED FLOOR.

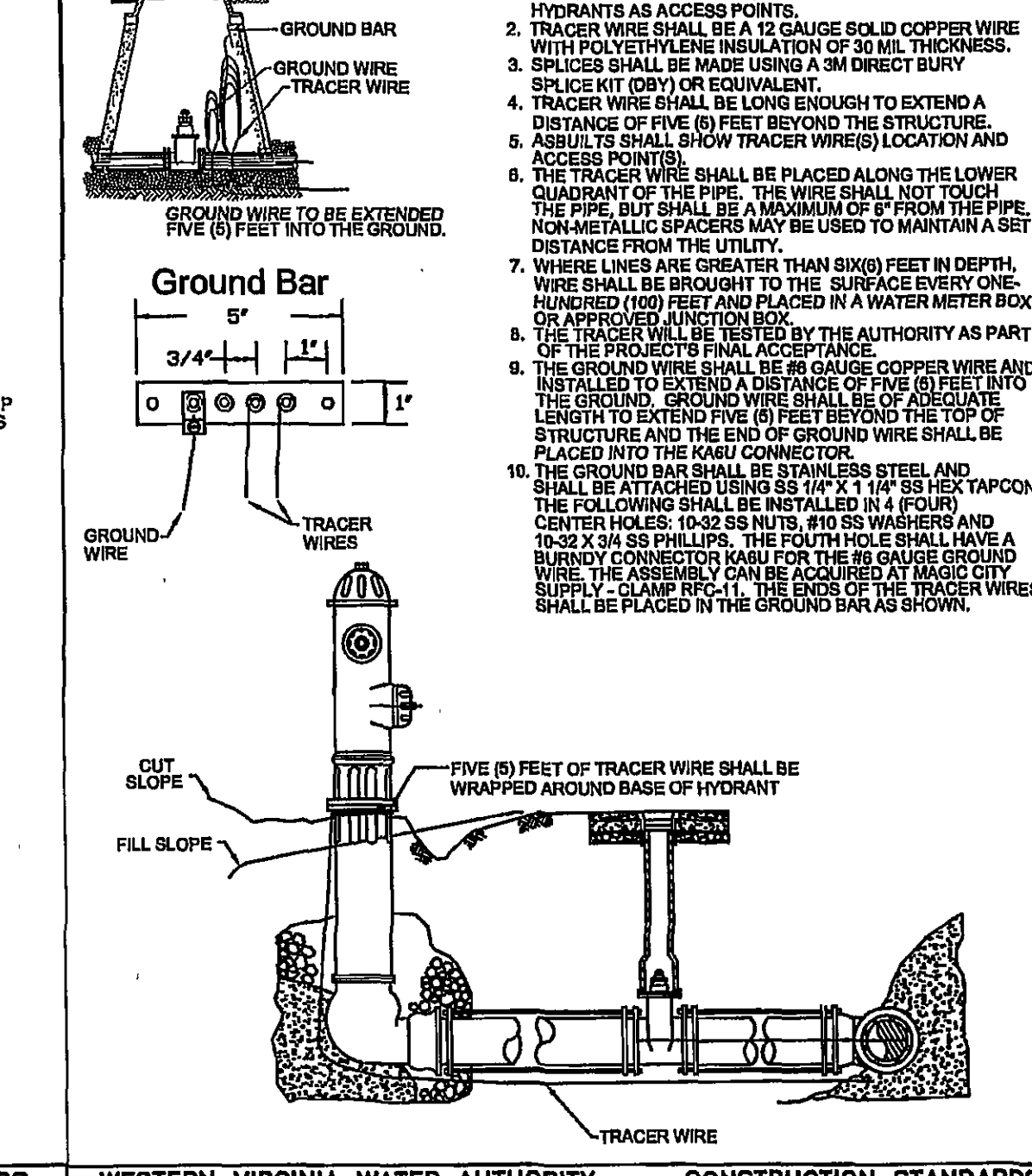
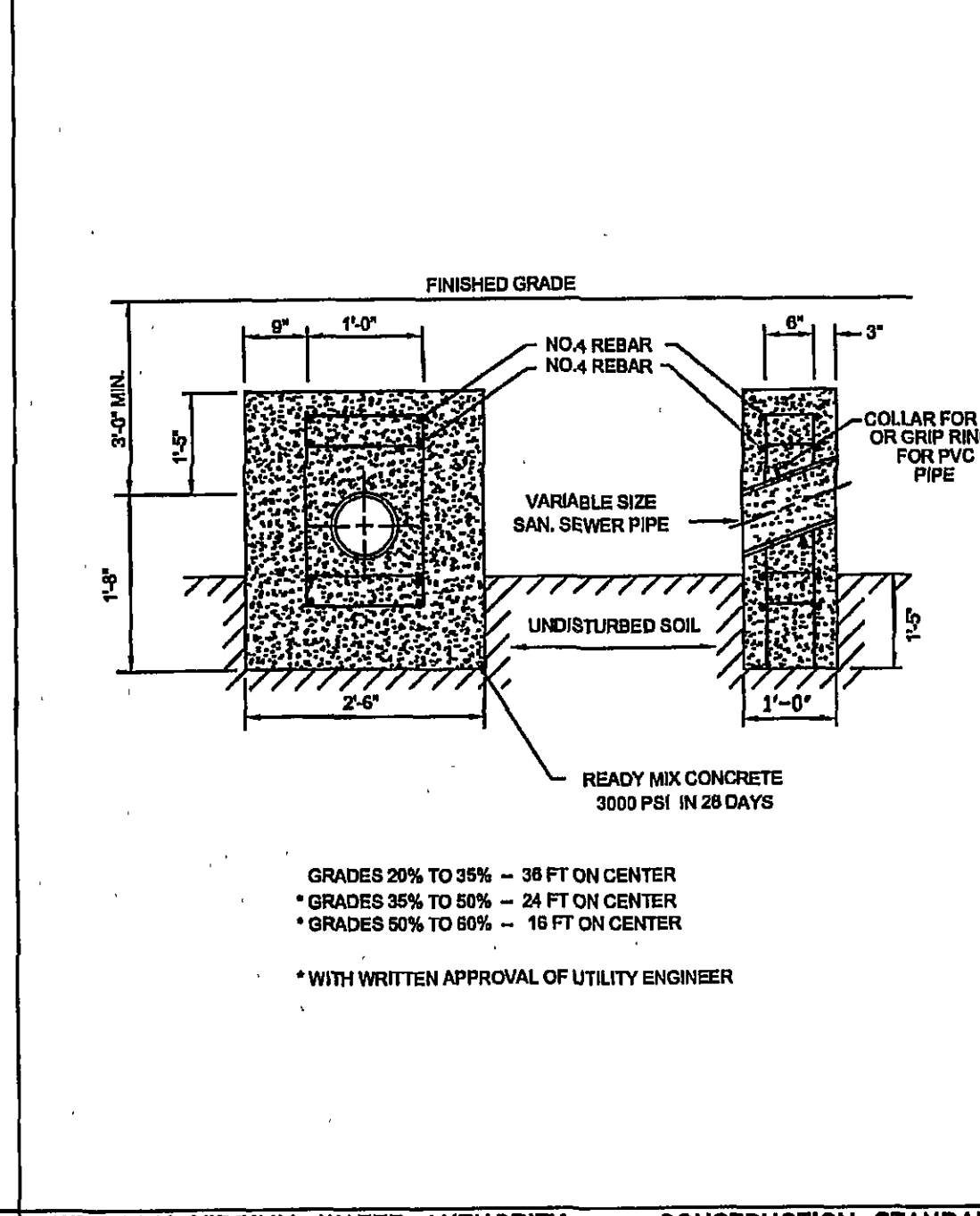
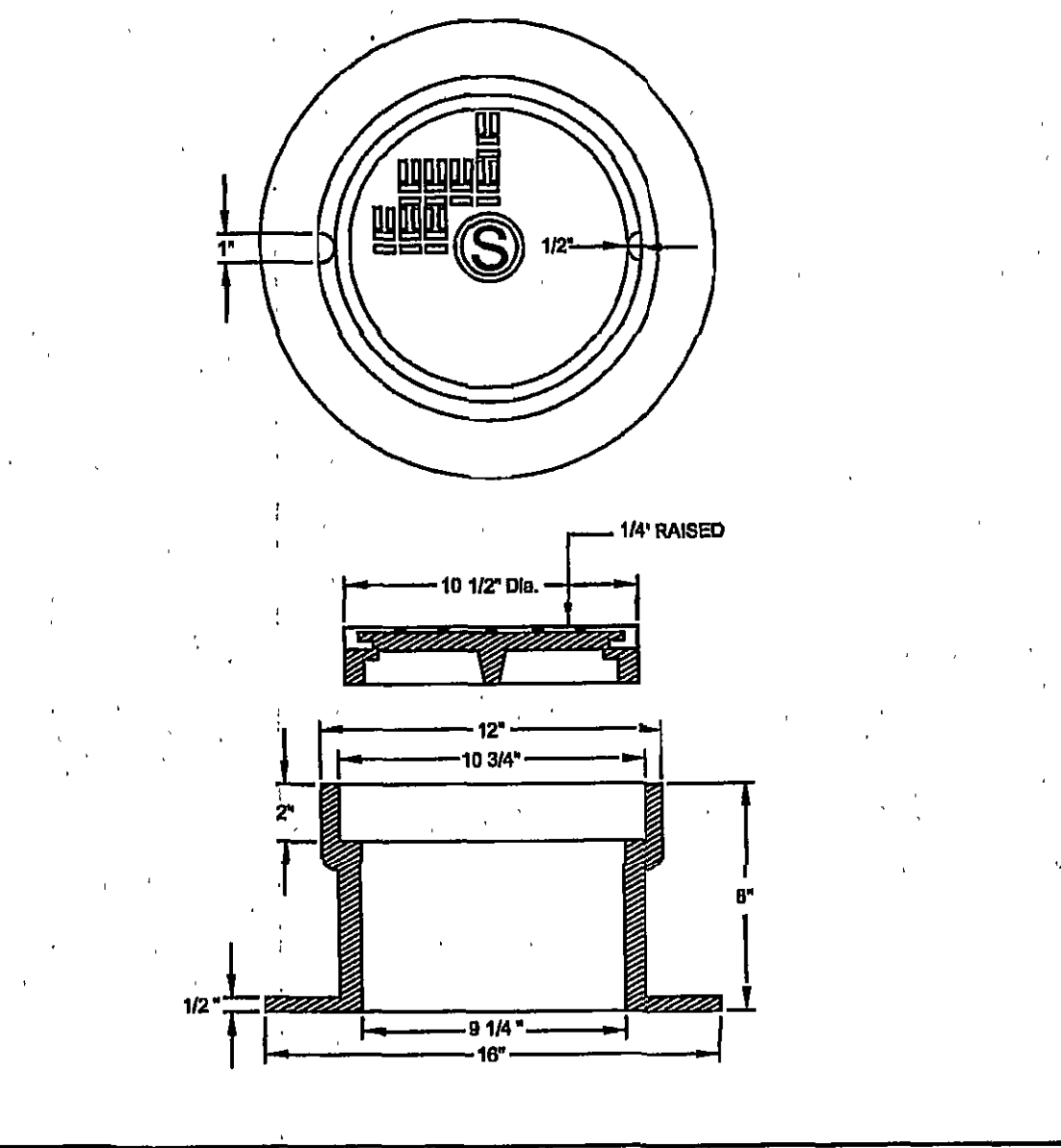


GENERAL NOTES:

1. TRAFFIC BEARING BOX REQUIRED IN TRAFFIC AREAS.
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3. ALL PIPE SHALL BE OF SAME SIZE.
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1. A MINIMUM CLEARANCE OF 4 INCHES IS REQUIRED BETWEEN CLEANOUT CAP AND TOP OF COVER.
2. CAPITOL FOUNDRY FRAME AND COVER ITEM #V8-9'S



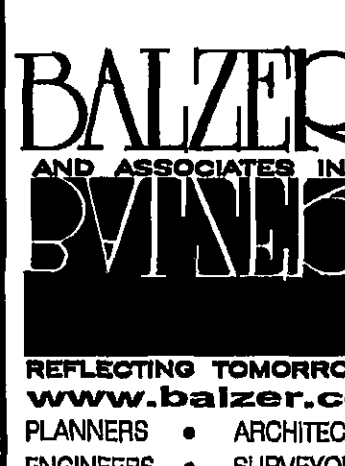
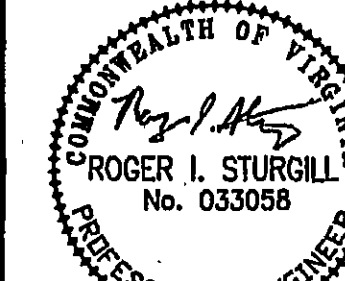
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FAX: 540/772-8550

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FAX: 804/981-4291

1691 Commerce Road
Suite 401
Verona, Virginia 24486
Phone: 804/68-5220
FAX: 804/68-3221

REED ESTATES
W.V.W.A. STANDARD DETAILS
ROANOKE CITY, VIRGINIA

DRAWN BY: JVJ
DESIGNED BY: JVJ
CHECKED BY: SMH
DATE: 11/14/2007
REVISIONS:

1st - 01/18/2008
per City Review
4th - 08/03/2008
per City Review

SHEET NO.
C-10
JOB NO.
R0700194.00