

1. TAPPING SLEEVE SHALL BE POWERSEAL MODEL 3480 TYPE 304 STAINLESS STEEL WITH CARBON STEEL FLANGE, ROMAC'S MODEL SST III, FORD MODEL FTSS WITH CARBON STEEL FLANGE OR APPROVED EQUIVALENT. SLEEVE SHALL BE RATED AT 250 PSI AND MUST HAVE A TEST PLUG.

2. TAPPING VALVE SHALL BE AVK RESILIENT SEATED GATE VALVE SERIES 25 MJFL OR MUELLER T-2360 RESILIENT WEDGE TAPPING VALVE WITH MJFL. VALVE SHALL BE RATED AT 250 PSI.

3. TAPPING SLEEVE AND VALVE SHALL BE FULL PORT TO ACCEPT FULL SIZE SHELL CUTTER.

4. STEEL FLANGE SHALL MEET AWWA C207.

RIGHT-OF-WAY OF EASEMENT LINE

PRIVATE PROPERTY

5/8" x 3/4" METER

18" DIA

12"-18"

PRESSURE REDUCING VALVE WITH PRESSURE RELIEF VALVE

PRESSURE RELIEF VALVE

STANDARD METER BOX

12" to 15"

PIGTAIL TO BE CAPPED & MARKED

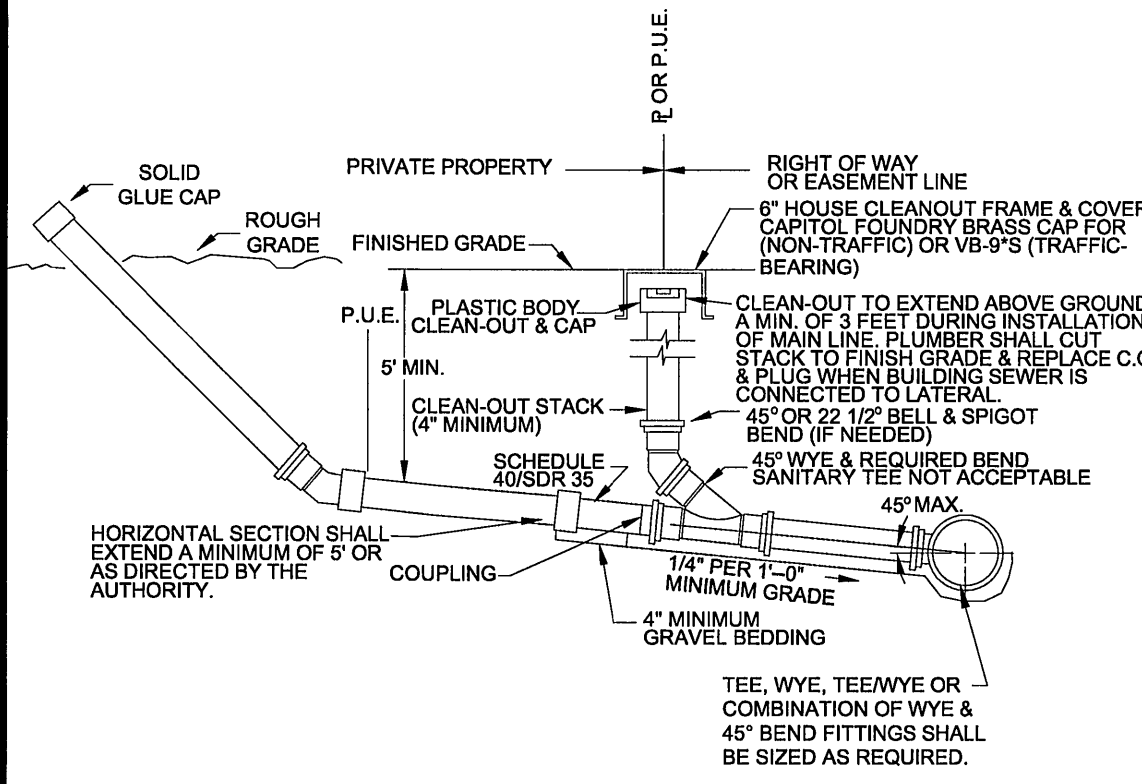
1" MINIMUM TYPE "K" COPPER SERVICE

TRACER & GROUND WIRES - SEE G-05 FOR DETAILS

SEE W-01 NOTE #2 FOR SERVICE SADDLE DETAILS

GENERAL NOTES:

1. TRAFFIC BEARING BOX REQUIRED IN TRAFFIC AREAS.
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 CLEANOUT STACK WYE, (EXCEPT AS NOTED).
5. ALL MAIN LINE TAPS ON ACTIVE MAINS WILL BE PERFORMED BY WESTERN VIRGINIA WATER AUTHORITY.
6. PIPING BEHIND CLEANOUT TO BE INSTALLED PER BOCA CODE.
7. MINIMUM LATERAL SIZE:
  - 4" FOR RESIDENTIAL SERVICE
  - 6" FOR NON-RESIDENTIAL SERVICE
8. MINIMUM COVER FOR ALL SEWER LATERALS SHALL BE THREE(3) FEET.
9. PROPERTY OWNER RESPONSIBLE FOR INSTALLING CLEANOUT ON PROPERTY LINE WHEN MAINTENANCE OCCURS, IN ACCORDANCE WITH THIS STANDARD.
10. FLOWLINE AT CLEANOUT WYE SHALL BE A MINIMUM OF THREE FEET (3') BELOW LOWEST SERVED FINISHED FLOOR.



SOLID GLUE CAP

ROUGH GRADE

FINISHED GRADE

PRIVATE PROPERTY

RIGHT OF WAY OR EASEMENT LINE

6" HOUSE CLEANOUT FRAME & COVER

CAPITOL FOUNDRY BRASS CAP FOR (NON-TRAFFIC) OR V8-9'S (TRAFFIC-BEARING)

P.U.E.

PLASTIC BODY CLEAN-OUT & CAP

5' MIN.

CLEAN-OUT STACK (4" MINIMUM)

SCHEDULE 40SDR 35

45° OR 22 1/2° BELL & SPIGOT BEND (IF NEEDED)

45° WYE & REQUIRED BEND

45° MAX

TEE, WYE, TEE/WYE OR COMBINATION OF WYE & 45° BEND FITTINGS SHALL BE SIZED AS REQUIRED.

1/4" PER 1'-0" MINIMUM GRADE

2" MINIMUM GRAVEL BEDDING

COUPLING

HORIZONTAL SECTION SHALL EXTEND A MINIMUM OF 5' OR AS DIRECTED BY THE AUTHORITY.

NOTE:

LID SHALL BE SECURELY FASTENED TO PIPE BY STAINLESS STEEL SCREWS AND CLIPS

65"

20"

FORD ROUND PIT RING & LID CATALOG #10 OR A.Y. McDONALD RING AND COVER 74MPR10

BUTYL MASTIC JOINT SEALER

NOTE:

LIDS WITH HOLES SHALL BE UNACCEPTABLE. (GRIND THE HOLE "WATER" FROM LID IF PRESENT)

24" PVC ULTRA-RIB OR ADS N-12 HDPE (SDR NOT ACCEPTABLE)

MAXIMUM 5' DEPTH

WATERSTOP

ELEVATION

SANITARY SEWER LATERAL

2" 3000 PSI CONCRETE

PIPE W/WATER PROOF SEALANT (MUST BE BONDABLE W/CONCRETE)

0.50" max.

REMOVE TOP OF PIPE AFTER INVERT SHAPING IS COMPLETE (18" MIN. OPENING)

3000 PSI CONCRETE

6" MIN. STONE BASE #57 OR EQUIVALENT.

2/3 DIA. OF PIPE

SAW-CUT "DOGHOUSE" TO FIT OVER PIPE W/WATER PROOF SEALANT

SECT. A-A

NOTES:

1. NOT ACCEPTABLE FOR USE IN TRAFFIC AREAS OR AREAS SUBJECT TO FLOODING.
2. VACUUM OR EXFILTRATION TESTING SHALL BE USED. VACUUM TESTING SHALL MEET THE SAME STANDARD FOR CONCRETE MANHOLES. EXFILTRATION TESTING SHALL HAVE NO LEAKAGE WITHIN 1 HOUR.
3. "Aquablock" WASTEWATER ACCESS CHAMBERS MAY BE SUBSTITUTED. TRAFFIC BEARING BOXES WILL BE REQUIRED IF INSTALLED IN TRAFFIC AREAS. TESTING OF "Aquablock" SHALL BE BY APPLICABLE PLUMBING CODE FOR SEWER LATERALS.
4. 2' DIA. CONCRETE WELL CASING 3000 PSI MAY BE SUBSTITUTED FOR ULTRA-RIB PIPE. ANY VERT. JOINTS IN THE CASING PIPE MUST BE BY BELL & SPIGOT CONNECTION WITH MASTIC.
5. INVERT SHAPING/CHANNEL SHALL BE 180 DEGREES THROUGH SAMPLE MANHOLE. NO ANGLES, RADII, ETC ARE ALLOWED IN SAMPLE MANHOLES.

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

REVISION DATE

07/01/04

03/01/06

TAPPING SLEEVE AND VALVE

W-23

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

REVISION DATE

07/01/04

03/01/06

TYPE "C" SINGLE RESIDENTIAL SERVICE FOR HIGH PRESSURE (LINE PRESSURE OVER 120 PSI)

W-03

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

REVISION DATE

07/01/04

03/01/06

SANITARY SEWER LATERAL

S-08

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS

REVISION DATE

07/01/04

03/01/06

SAMPLING STRUCTURE DETAIL

S-07

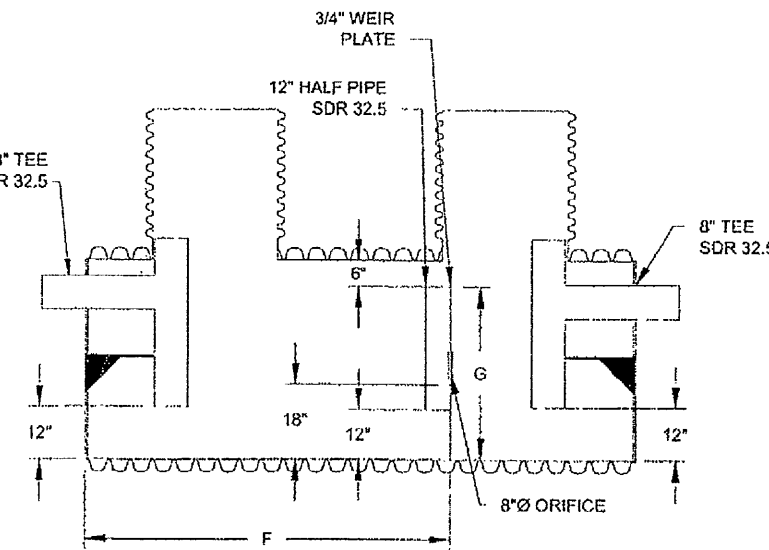
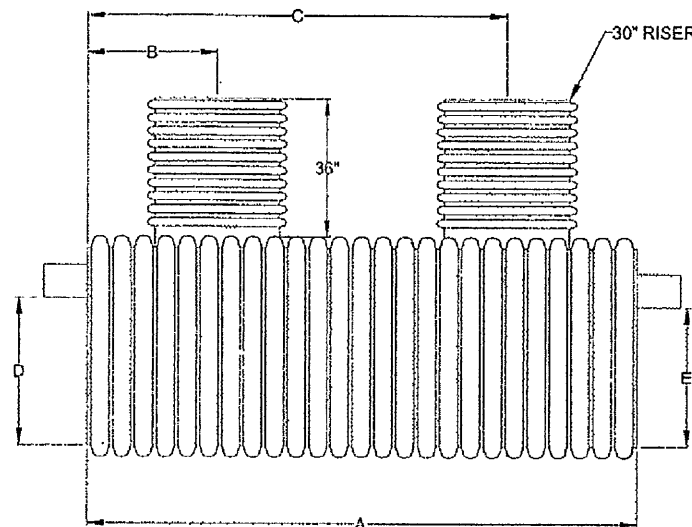
ADS, Inc. Drainage Handbook

Specifications ♦ 1-27

Grease Interceptor Dimensions and Specifications

Volume (gal)	Chamber Diameter (in)	Inlet Diameter (in)	Outlet Diameter (in)	A	B	C	D	E	F	G
750	48	8	8	131"	31"	100"	35.7"	33.7"	89"	41.7"
1000	48	8	8	173.25"	31"	142"	35.7"	33.7"	116"	41.7"
1500	60	8	8	156"	31"	123"	35.7"	47.5"	105"	53.5"

(Unit configuration & availability subject to change without notice. Product detail may differ slightly from actual product appearance.)



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APPROVED



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STAR CITY CAR WASH

WWW.DETAILS

COUNTY OF ROANOKE, VIRGINIA

DRAWN BY: BTC  
DESIGNED BY: BTC  
CHECKED BY: SMH  
DATE: 10-13-08  
REVISIONS:  
11-7-08  
1-9-09  
2-12-09

SCALE: 1"=30'  
SHEET NO.  
**C-9**  
JOB NO.  
R0800067.00