

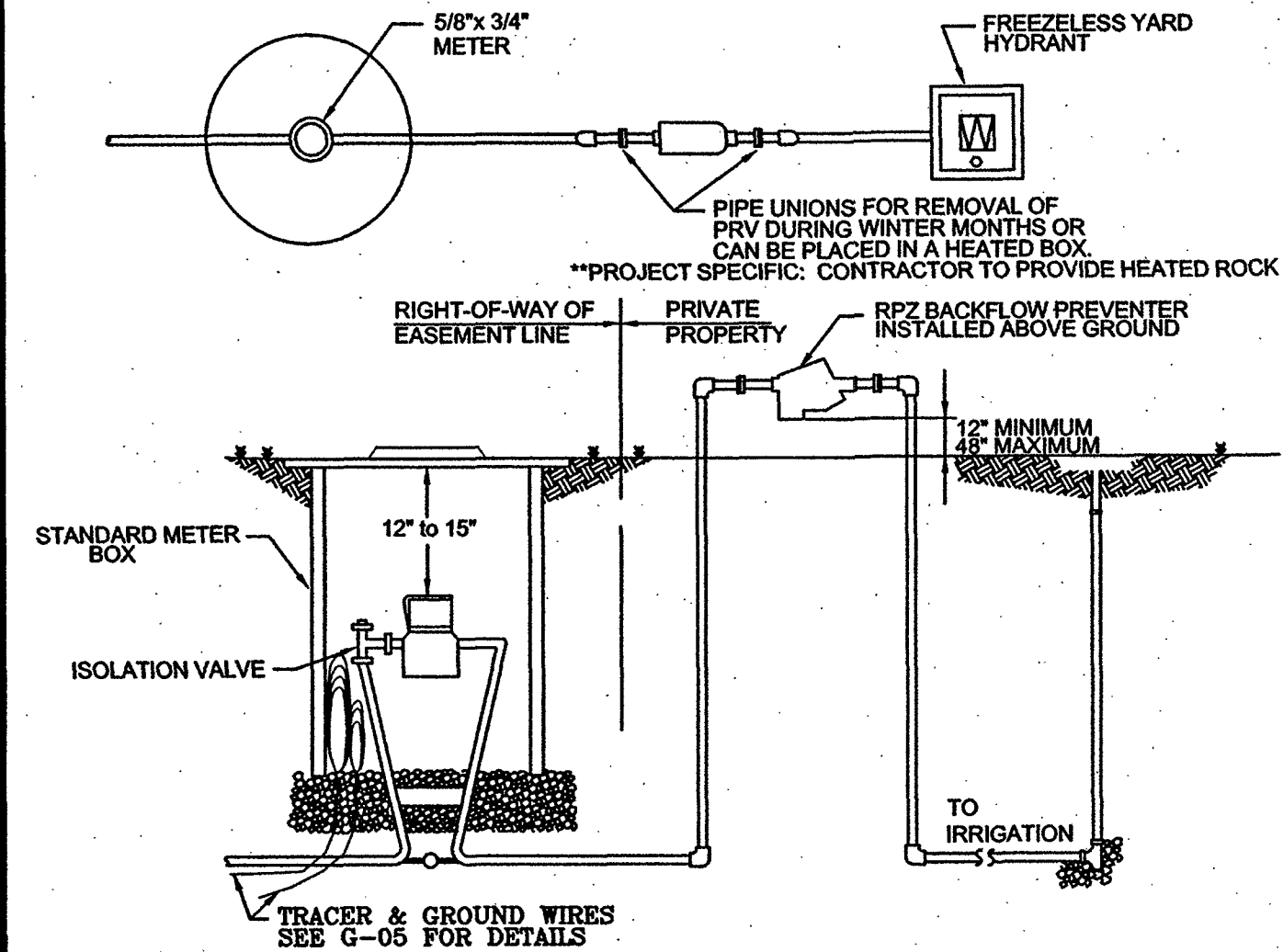
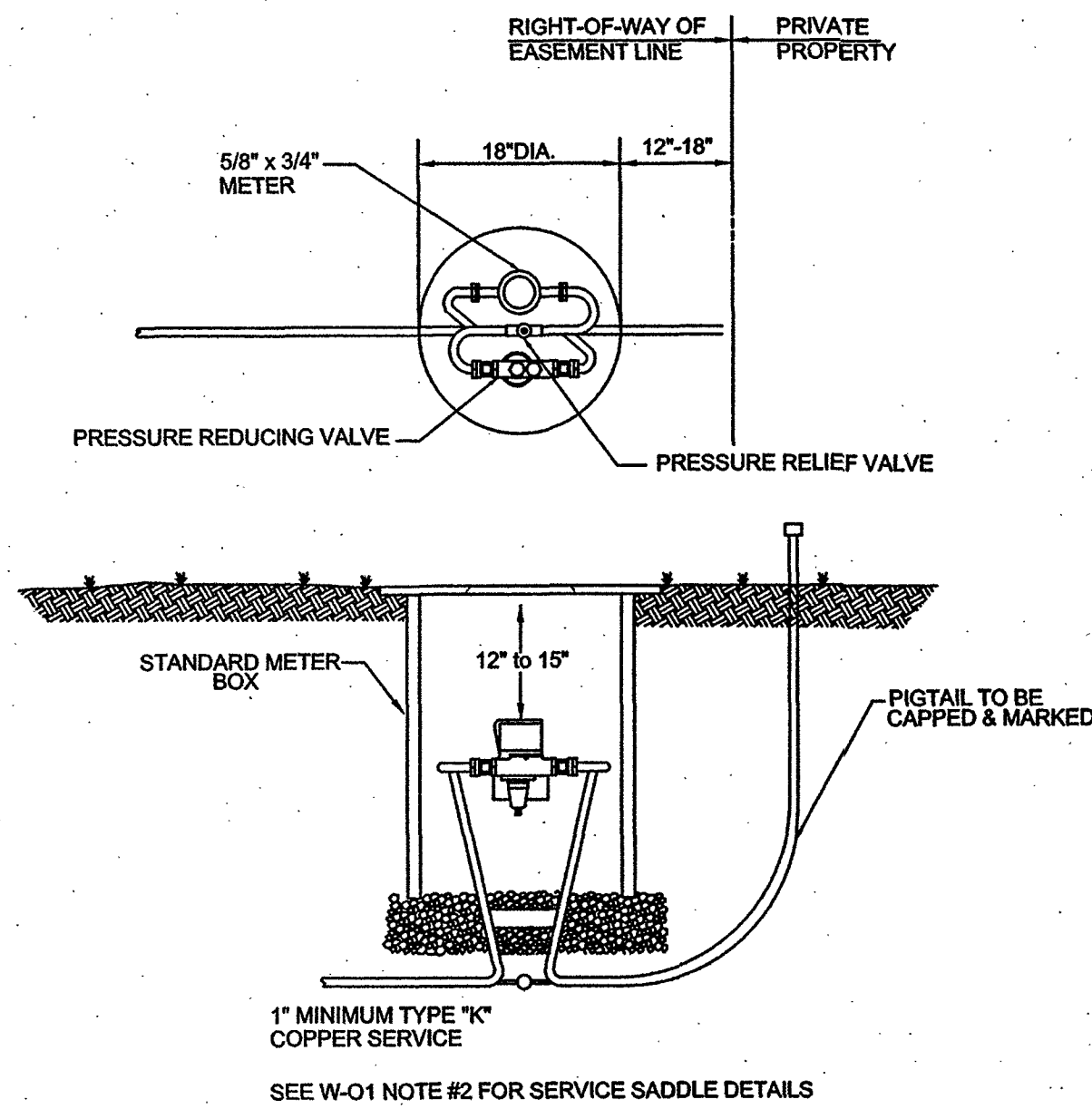
METER SETTER ALREADY INSTALLED - REMOVE EXISTING METER SETTER & INSTALL NEW METER SETTER IF EXISTING IS NOT ADEQUATE TO INSTALL 1.5-INCH METER & PRESSURE REDUCING VALVE. COORDINATE WITH WWA FOR INSTALLATION OF METER.

**PLAN REVISION #1 (14 December 2012):**  
**ITEMS ARE SHOWN AS PR#1 ==>**

1. BUILDING DIMENSIONS AND AREA WITHIN INTERIOR CURB LIMITS IS BEING REVISED.
2. INSTALLATION OF AN IRRIGATION SEPARATION METER IS INCORPORATED TO THE PLAN.
3. THE BUILDING ROOF DESIGN IS BEING REVISED WHERE PORTIONS ARE NOW FLAT ROOF WHICH AFFECTS HOW STORMWATER IS BEING MANAGED FROM A STORMWATER QUALITY STANDPOINT.

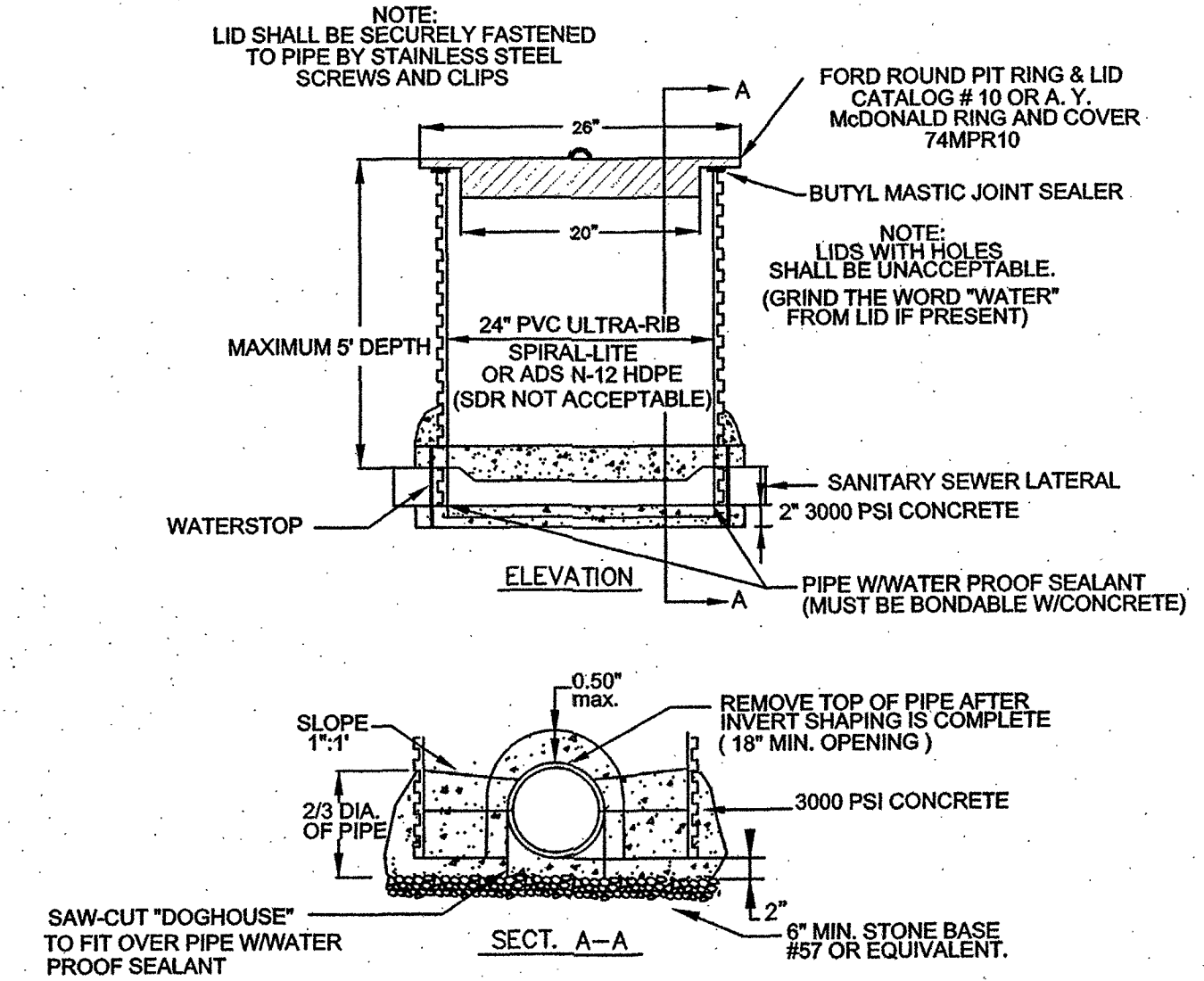
**PLAN REVISION #1: 14 DECEMBER 2012 ADD SEPARATION METER AND RPZ**

1. SETTER TO BE A.Y. McDONALD #20-215 WDD133, FORD VBHH72-15W-1133 OR APPROVED EQUAL.
2. PRESSURE REDUCING VALVE TO BE WATTS 600 OR APPROVED EQUAL.
3. S BAR TO BE ST-2-31084-01 WITH PRV OR EQUAL.
4. METER BOX MUST BE MID-STATE PLASTICS, INC. PLASTIC BOX WITH FORD A32-T (ELECTRONIC READ LID) OR A.Y. McDONALD MODEL 74M32C-TC CAST IRON BASE & COVER OR APPROVED EQUAL.
5. THIS CONFIGURATION IS REQUIRED WHEN THE WATER PRESSURE AT THE WATER MAIN EXCEEDS 120 PSI.



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-06
07/01/04		
03/01/06		

SPRINKLER  
SERVICE



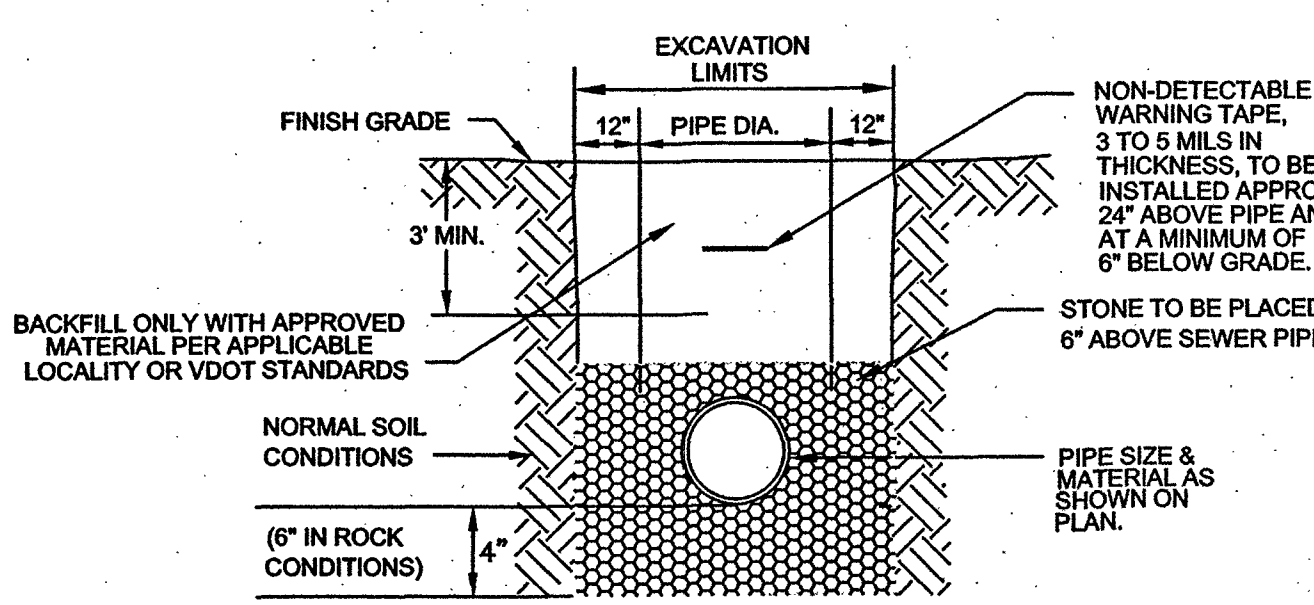
- NOTES:
1. NOT ACCEPTABLE FOR USE IN TRAFFIC AREAS OR AREAS SUBJECT TO FLOODING.
  2. VACUUM OR EXFILTRATION TESTING SHALL BE USED. VACUUM TESTING SHALL MEET THE SAME STANDARD FOR CONCRETE MANHOLES. EXFILTRATION TESTING SHALL HAVE NO LEAKAGE WITHIN 1 HOUR.
  3. "AquaBlok" WASTEWATER ACCESS CHAMBERS MAY BE SUBSTITUTED. TRAFFIC BEARING BOXES WILL BE REQUIRED IF INSTALLED IN TRAFFIC AREAS. TESTING OF "AquaBlok" 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, RADIUS, ETC ARE ALLOWED IN SAMPLE MANHOLES.

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	S-07
07/01/04		
03/01/06		

SAMPLING STRUCTURE  
DETAIL

**NOTES:**

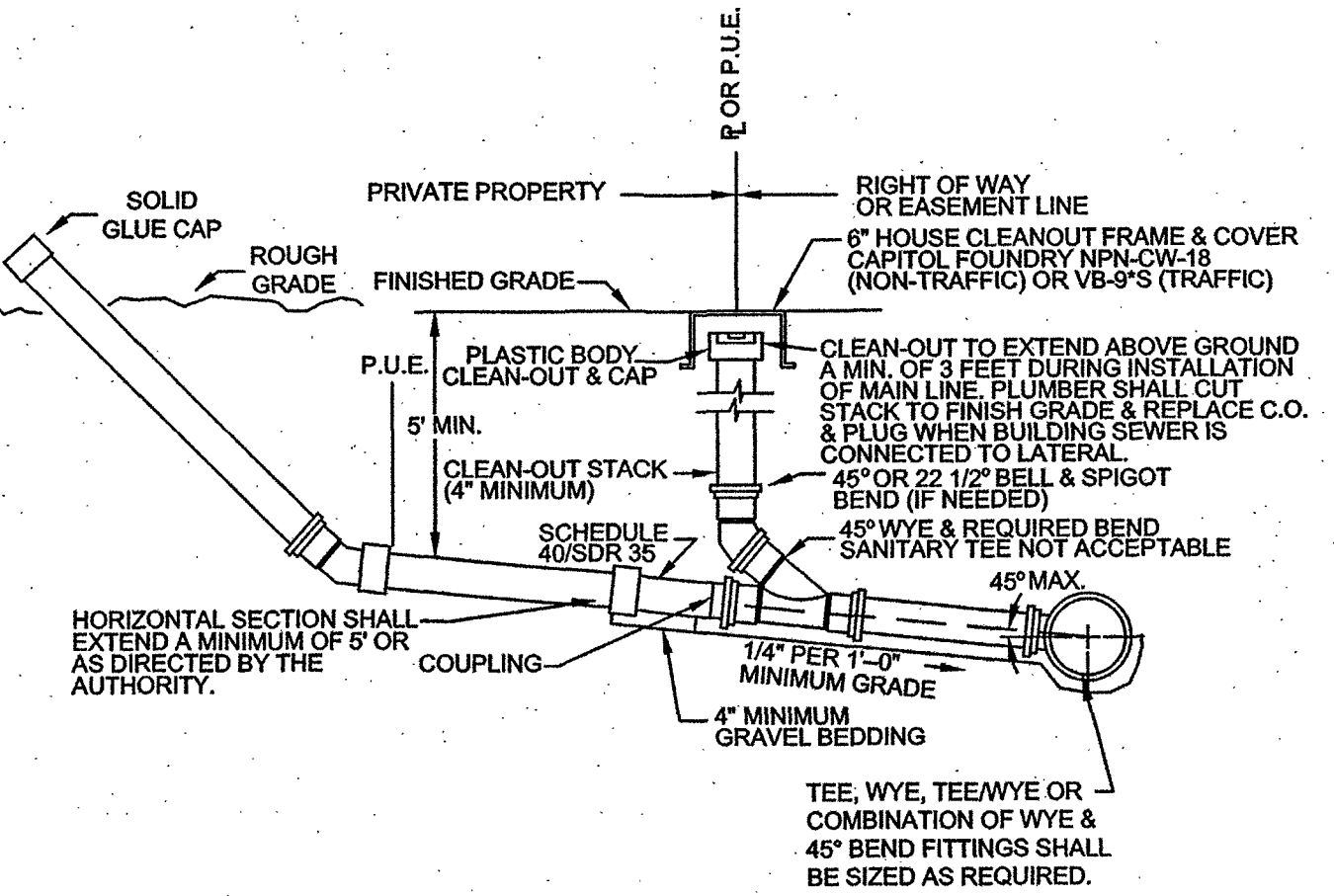
1. BEDDING, HAUNCHING AND INITIAL BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
2. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 OR #68 STONE.
3. IN AREAS NOT SUBJECTED TO VEHICULAR TRAFFIC, BEDDING STONE AND FILL SHALL BE PLACED IN 6\"/>



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	S-30
07/01/04		
03/01/06		

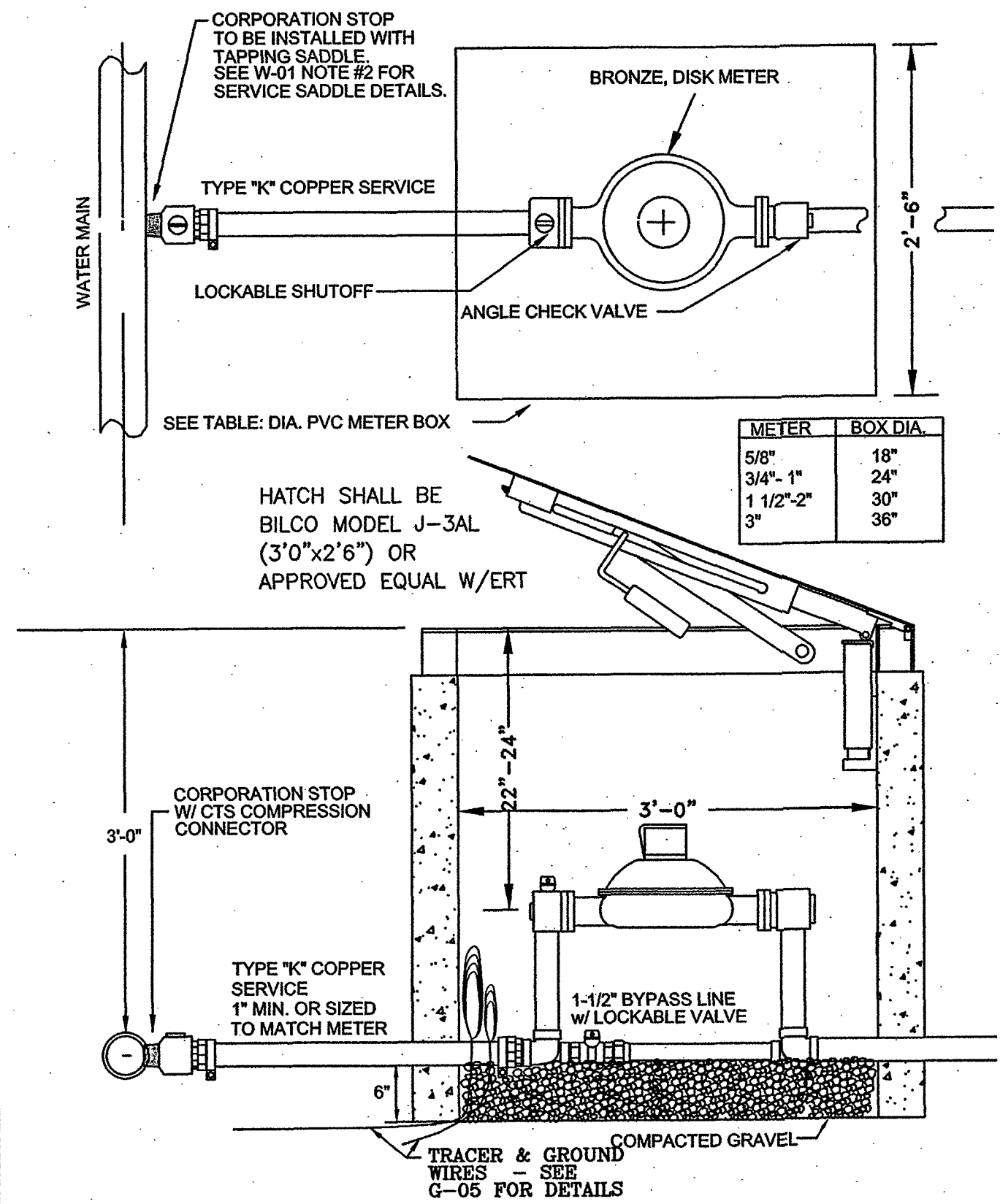
BEDDING AND BACKFILL  
OUTSIDE OF PAVED AREAS

- 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\"/>
  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.



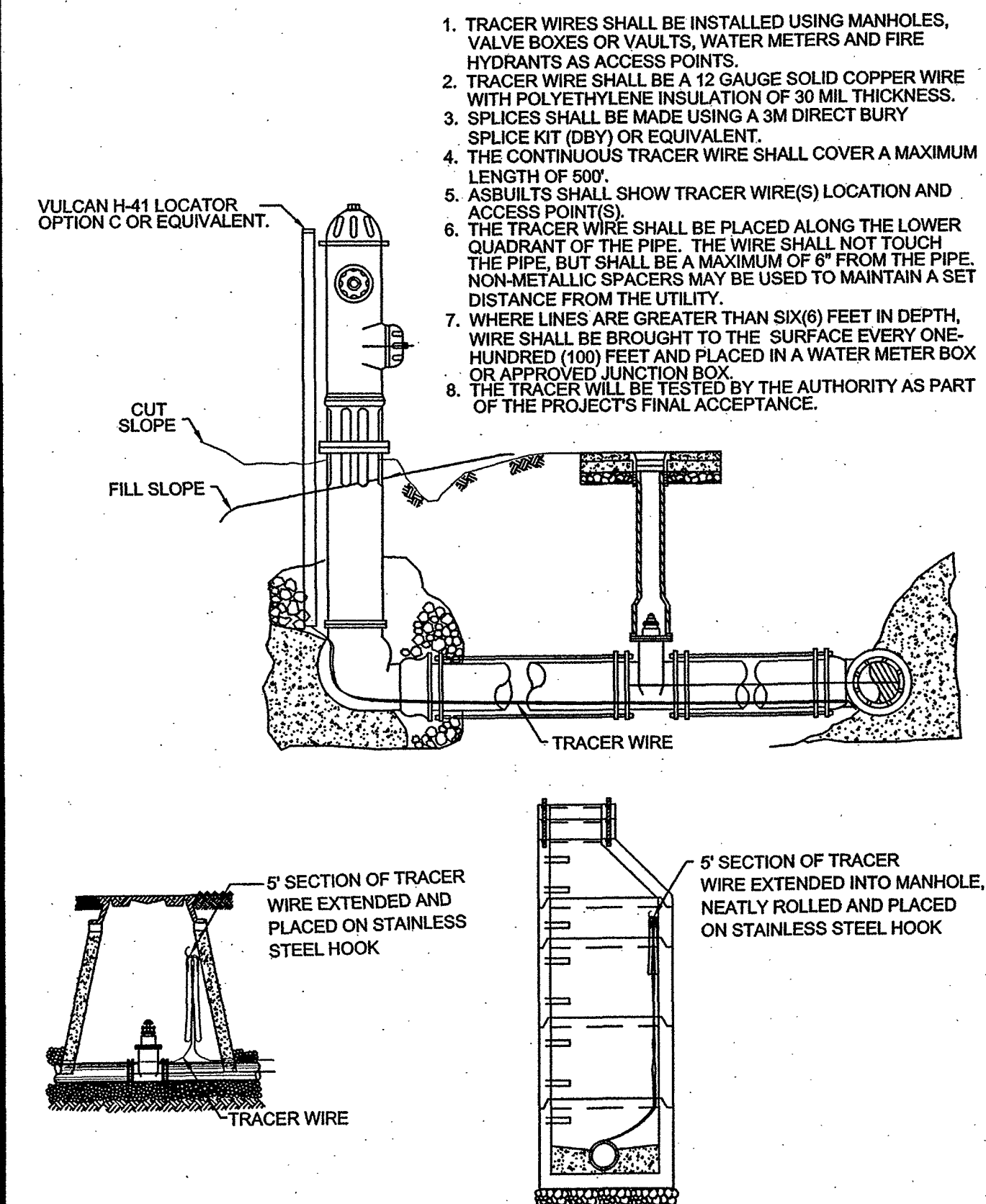
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	S-08
07/01/04		
03/01/06		

SANITARY SEWER LATERAL



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-05
07/01/04		
03/01/06		

COMMERCIAL  
WATER SERVICE

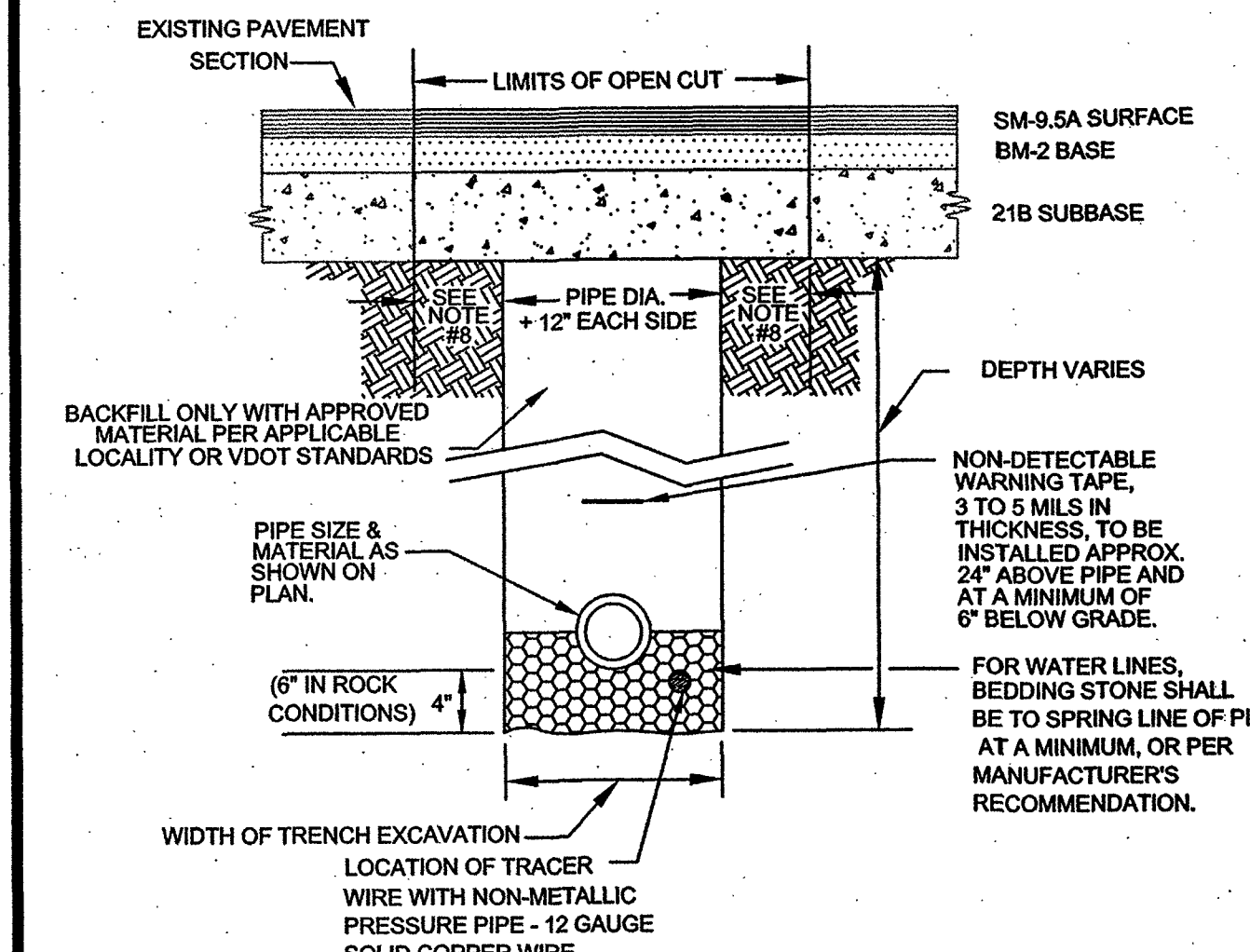


WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	G-05
07/01/04		
03/01/06		

TRACER WIRE  
FOR NON-METALLIC  
PRESSURE PIPE

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-03
07/01/04		
03/01/06		

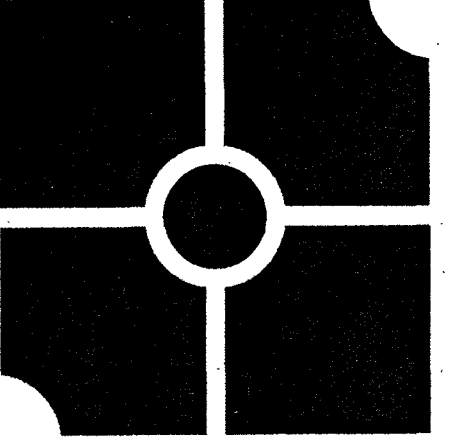
TYPE "C"  
SINGLE RESIDENTIAL SERVICE  
FOR HIGH PRESSURE  
(LINE PRESSURE OVER 120 PSI)



- NOTES:
1. BEDDING, HAUNCHING AND INITIAL BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
  2. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 OR #68 STONE.
  3. IN ROANOKE COUNTY, THE CONTRACTOR SHALL REPLACE THE OPEN CUT WITH A MINIMUM TOP COURSE OF 1.5\"/>

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-25
07/01/04		
03/01/06		

BEDDING AND BACKFILL  
UNDER PAVEMENT AND RIGHT-OF-WAY



**parker**  
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**New Branch Bank for Valley Bank**  
**4003 Challenger Avenue**  
Tax No. 050.01-01-05.13; Vinton Magisterial District  
Roanoke County, Virginia

**REVISIONS:**

REVISION	DATE	DESCRIPTION
01	2009 JANUARY 23	OWNER REVISION: Bids Area, Irrigation Meter
02	2009 DECEMBER 20	Plan Rev 1 Signature Set
03	2009 JANUARY 23	Plan Rev 2 Signature Set

DESIGNED BY: SRB  
DRAWN BY: MFW  
CHECKED BY: SRB  
SCALE: None  
DATE: 22 December 2008

SHEET TITLE:

Utility  
Details

**C10**  
10 OF 14  
PROJECT NUMBER:  
08-0170-05