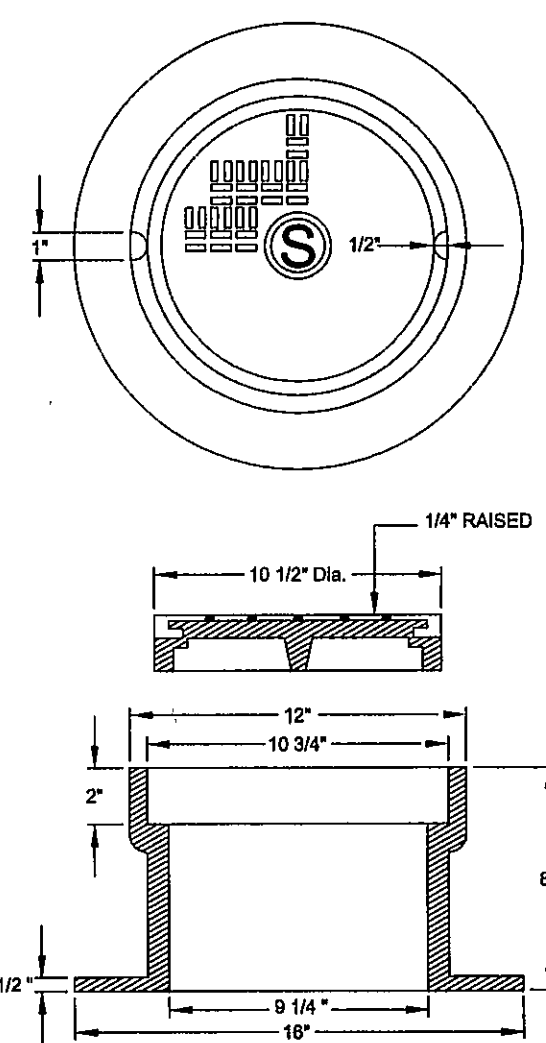


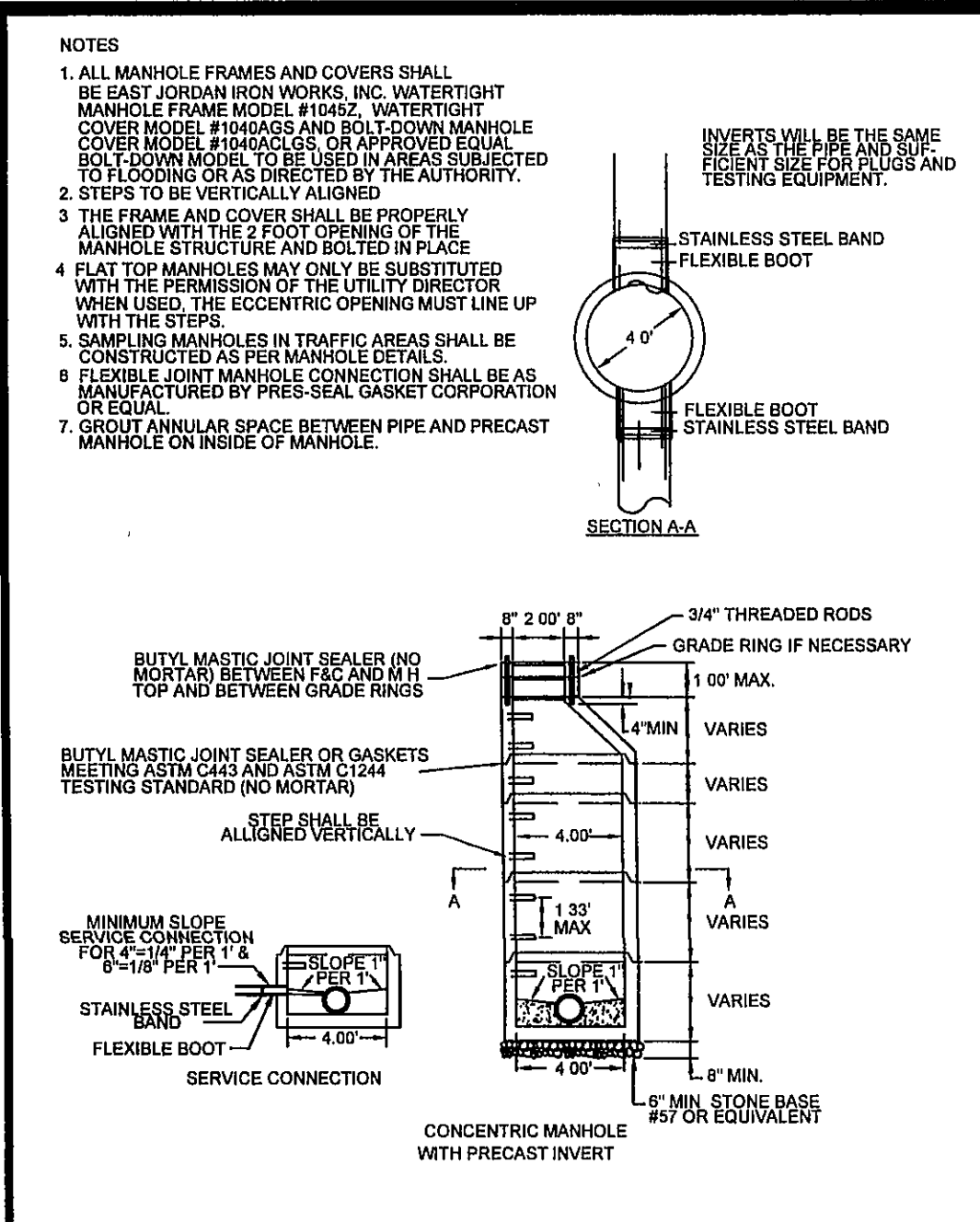
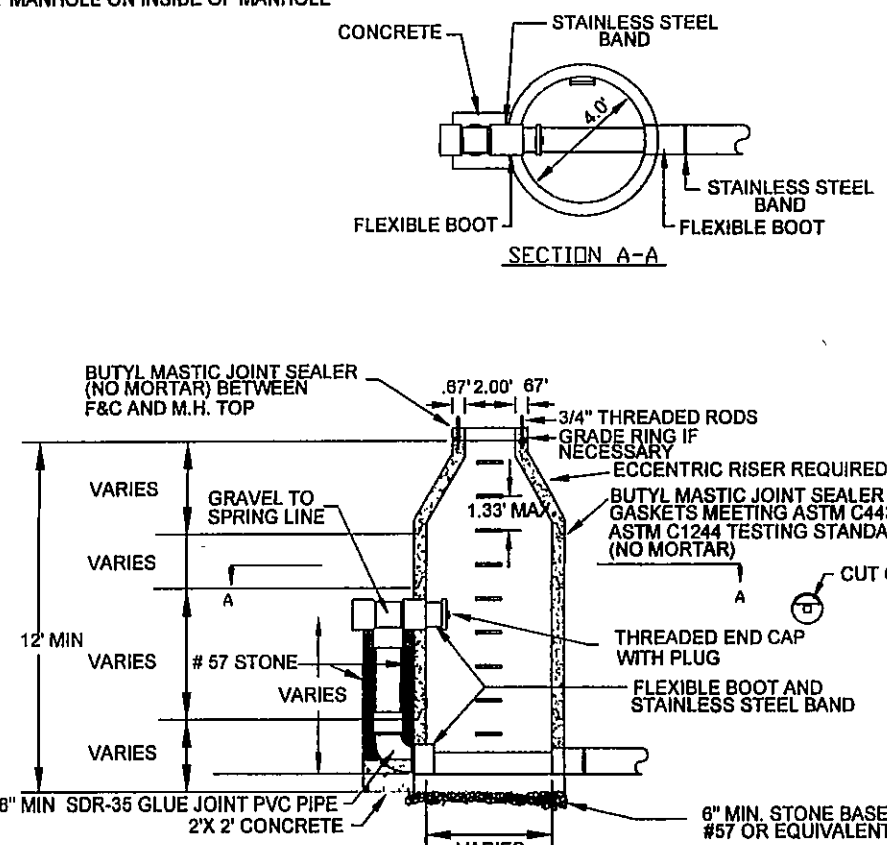
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	TRACER WIRE FOR NON-METALLIC PRESSURE PIPE	G-05

- NOTES:
1. A MINIMUM CLEARANCE OF 4 INCHES IS REQUIRED BETWEEN CLEANOUT CAP AND TOP OF COVER.
 2. CAPTOP FOURCY FRAME AND COVER ITEM # V8-4P-S



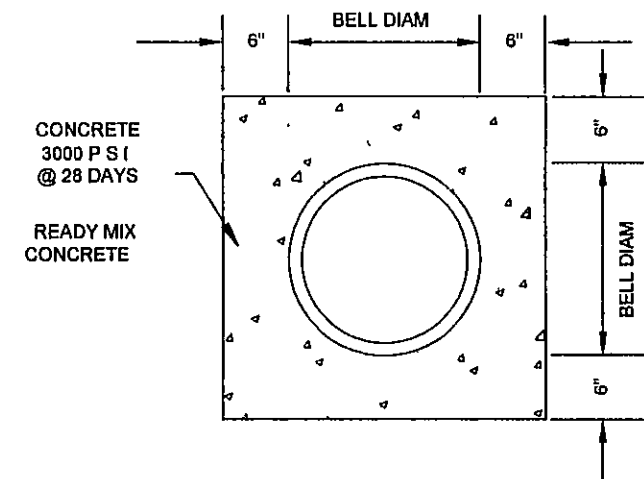
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	TRAFFIC BEARING CLEANOUT BOX	S-13

- NOTES:
1. ALL MANHOLE FRAMES AND COVERS SHALL BE EAST JORDAN IRON WORKS, INC. WATER TIGHT MANHOLE FRAME MODEL #1040G, WATER TIGHT COVER MODEL #1040G, OR APPROVED EQUIVALENT. BOLT-DOWN MANHOLE COVERS SHALL BE USED IN AREAS SUBJECT TO FLOODING OR AS DIRECTED BY THE AUTHORITY.
 2. STEPS TO BE VERTICALLY ALIGNED.
 3. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE 2 FOOT OPENING OF THE MANHOLE STRUCTURE AND BOLTED IN PLACE.
 4. TOP INVERT LINE SHALL NOT ENTER THROUGH RISER (CONE) SECTION OR JOINT.
 5. GROUT ANNUAL SPACE BETWEEN PIPE AND PRECAST MANHOLE ON INSIDE OF MANHOLE.

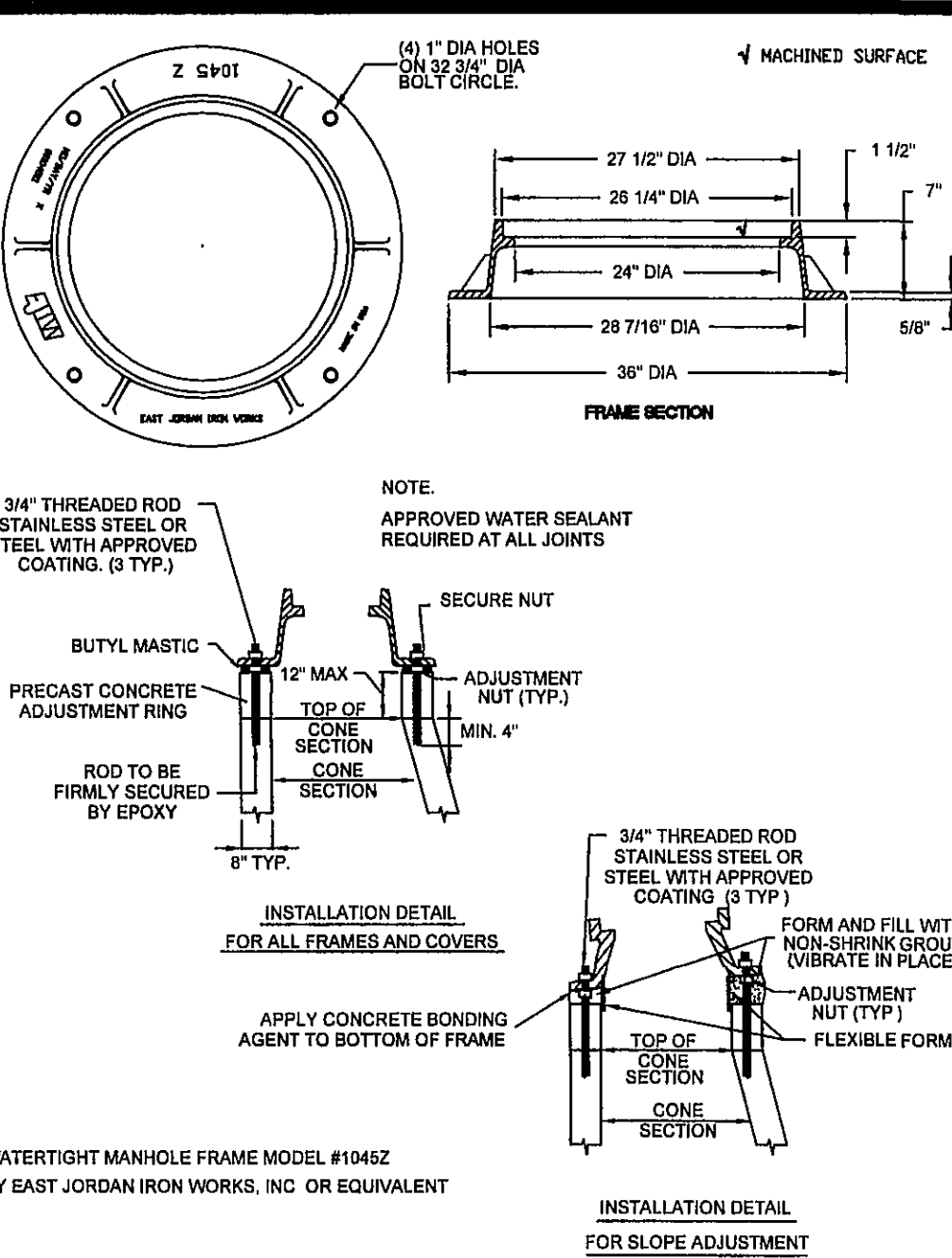


WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS			
REVISION DATE		4' STANDARD MANHOLE FOR PIPE 15" OR SMALLER	S-0
07/01/04			
03/01/06			

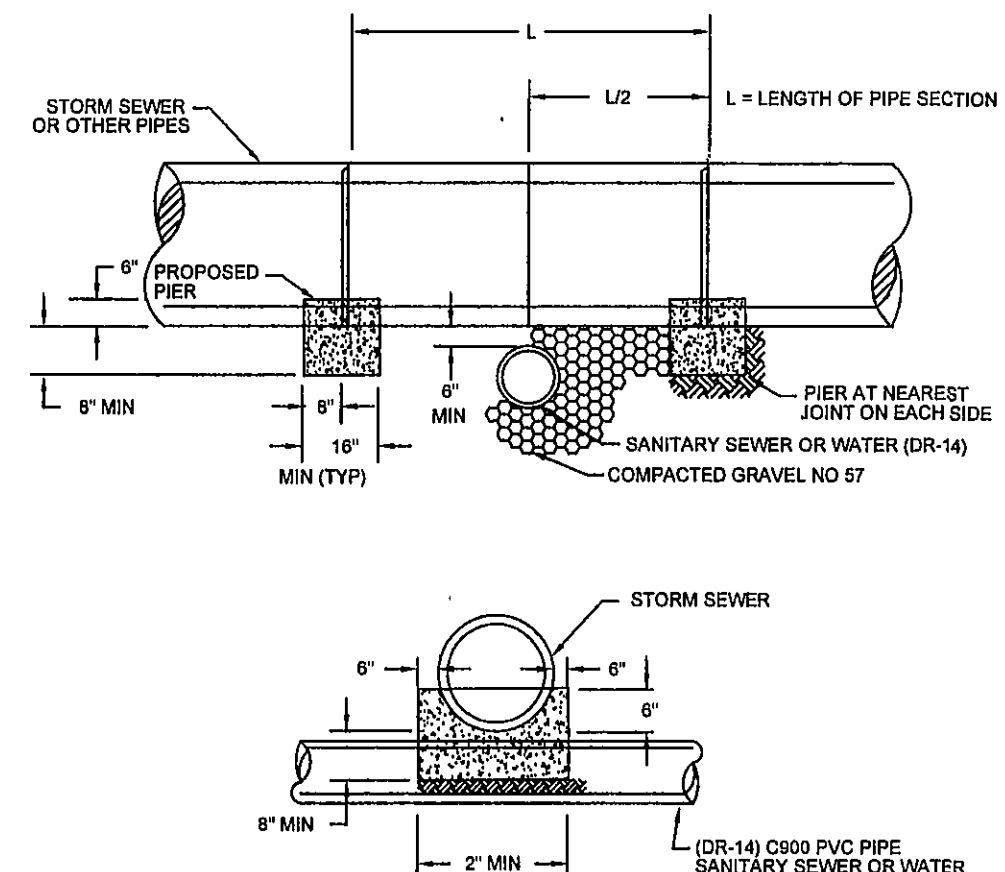
- NOTES:
1. When water line is located below a sewer line, the sewer line to be encased along its length where it is within 10' of water line.
 2. Sewer lines crossing streams must be concrete encased.



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	CONCRETE ENCASED PIPE	S-14

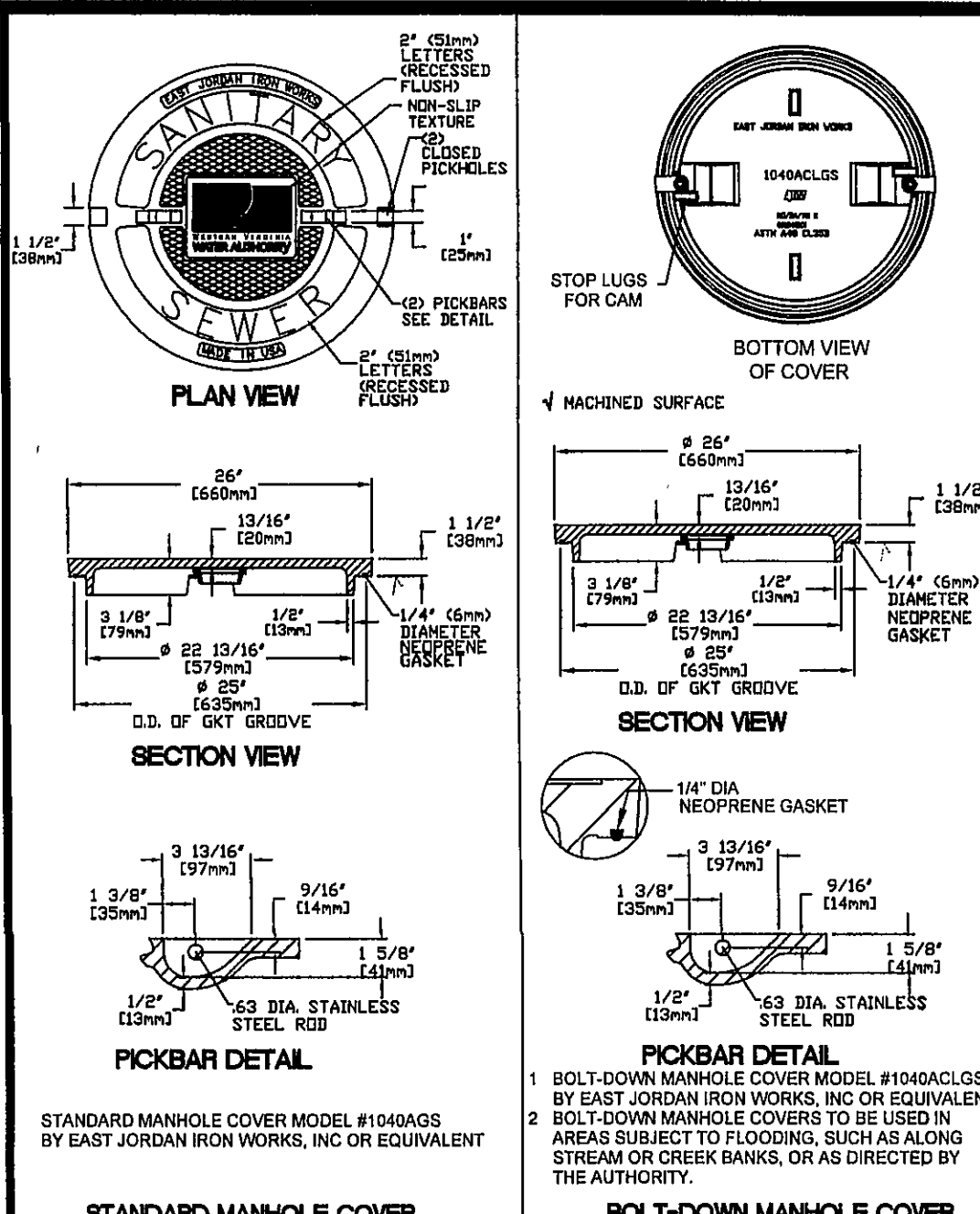


WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	WATERTIGHT MANHOLE FRAME	S-05

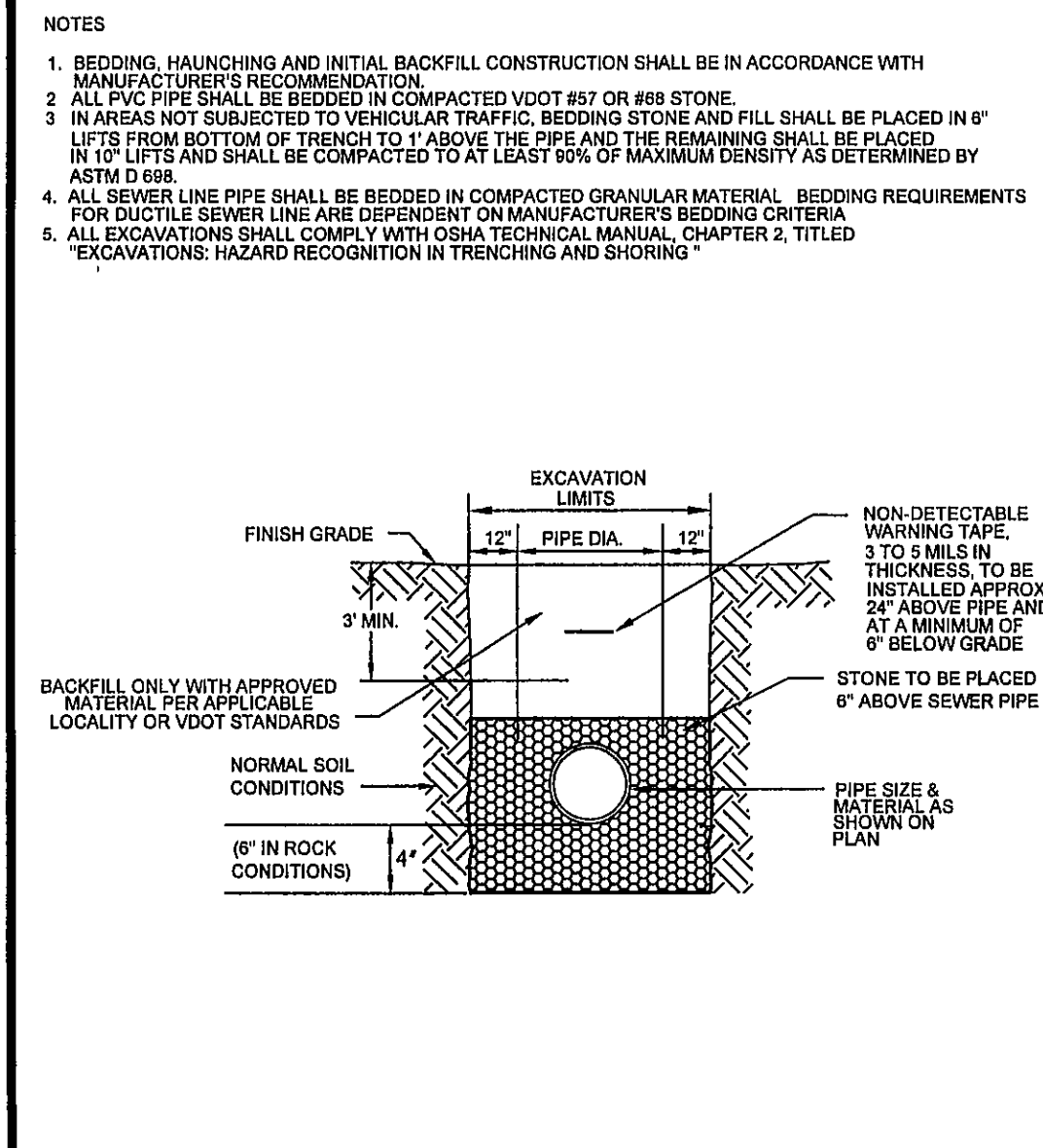


- NOTE:
1. PIER REQUIRED WHEN STORM DRAIN OR OTHER PIPES CROSSES OVER THE OTHER UTILITY WITH A VERTICAL CLEARANCE OF LESS THAN 18\"/>

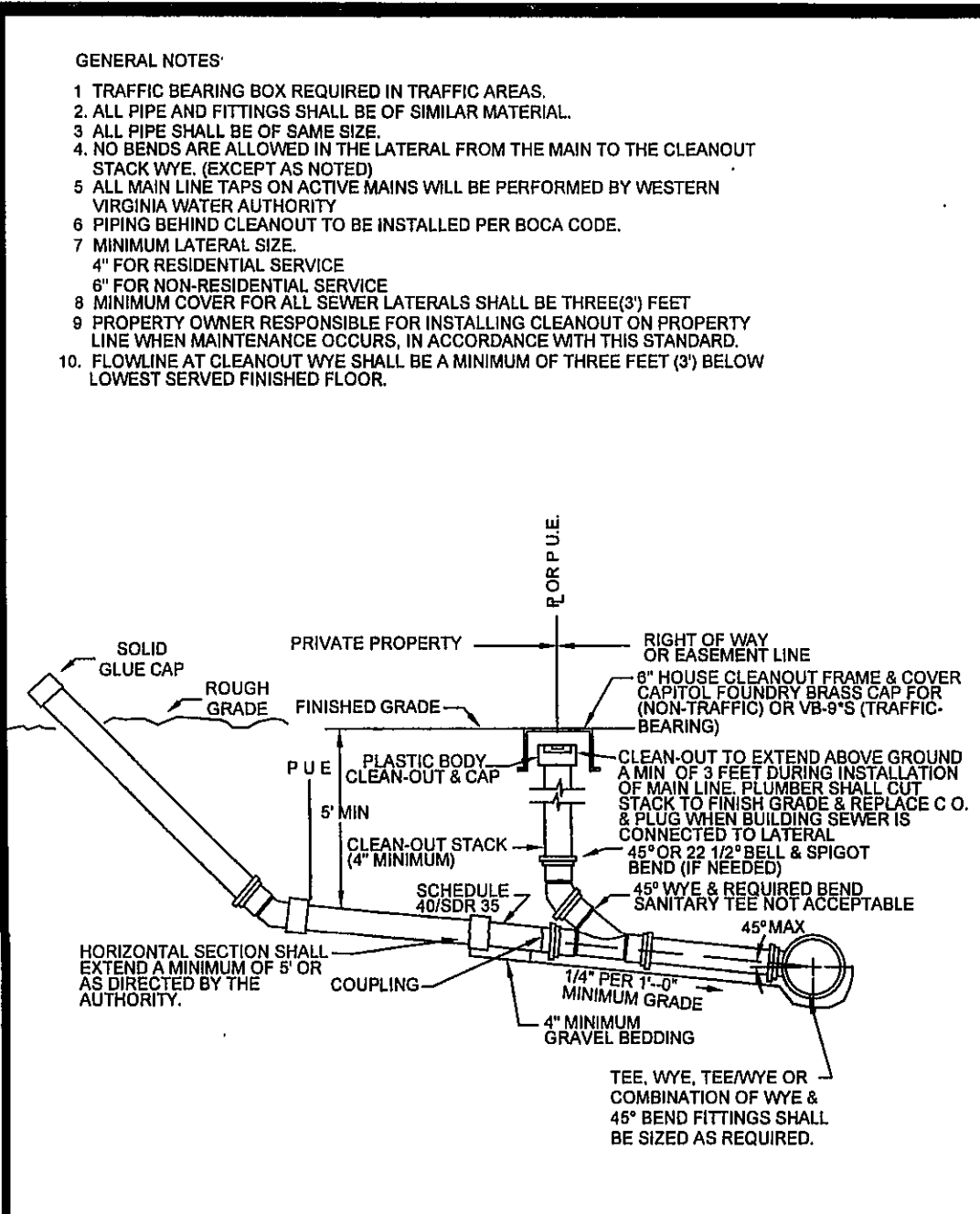
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	CONCRETE PIER	S-16



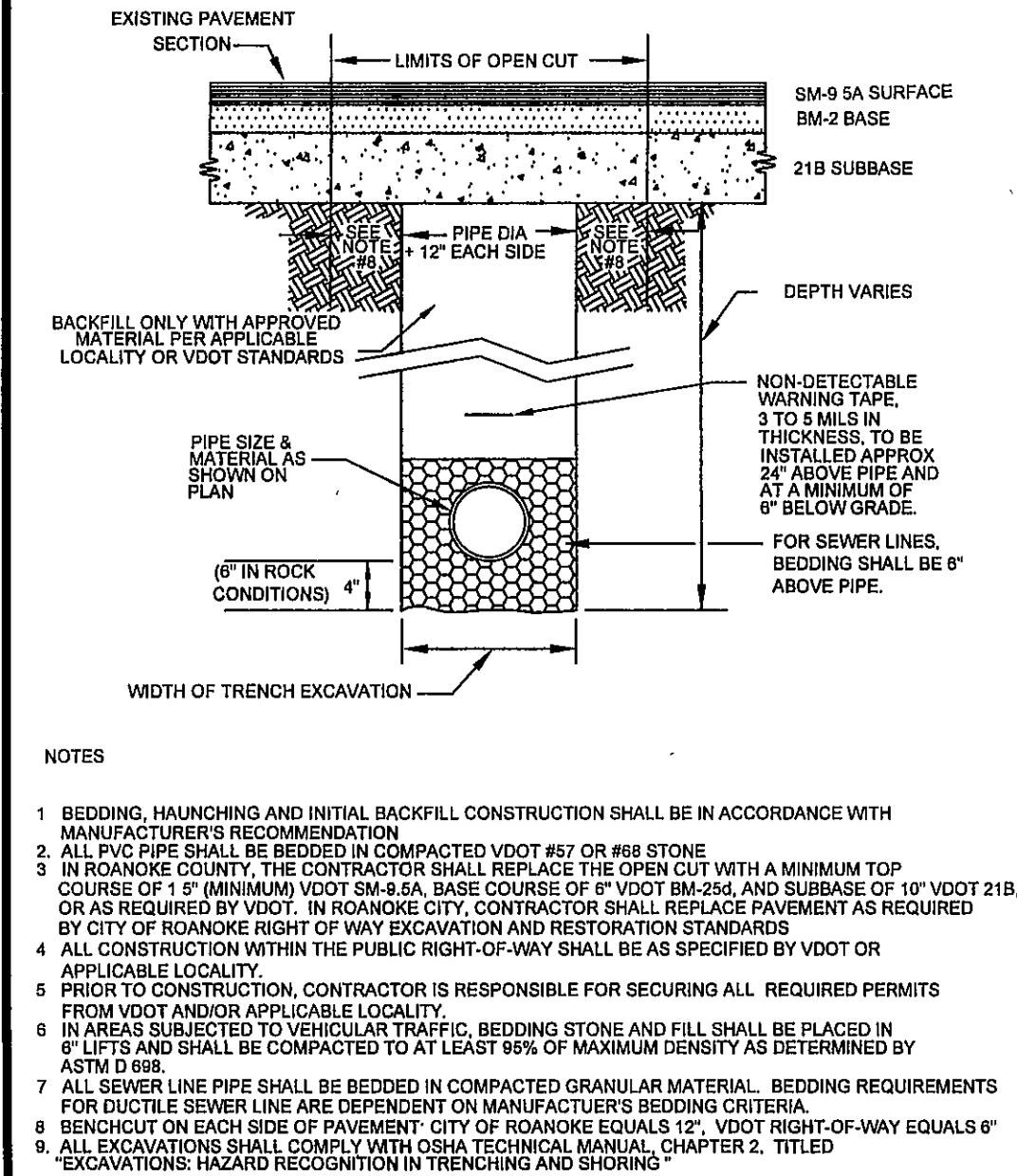
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	STANDARD MANHOLE COVER	S-06



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	BEDDING AND BACKFILL OUTSIDE OF PAVED AREAS	S-30



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



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	REVISION DATE
07/01/04		
03/01/06		
	BEDDING AND BACKFILL UNDER PAVEMENT AND RIGHT-OF-WAY	S-31