

FACTOR OF SAFETY = 1.5											
PIPE SIZE	PIPE MAT'L	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	VALVE /PLUG BRANCH	TEE	REDUCER (NOTE 2)	VERT. 45°	VERT. 22 1/2°	VERT. 11 1/4°
6"	D.I.	28"	12"	8"	5"	38"	34"	23"	23"	11"	5"
8"	D.I.	37"	16"	7"	4"	51"	47"	21"	30"	15"	7"
10"	D.I.	45"	19"	9"	4"	61"	57"	20"	37"	18"	9"
12"	D.I.	53"	22"	11"	5"	73"	69"	38"	43"	21"	10"
6"	PVC	30"	12"	8"	5"	58"	38"	29"	35"	17"	8"
8"	PVC	40"	16"	9"	4"	74"	59"	31"	46"	22"	11"
10"	PVC	47"	20"	9"	5"	89"	62"	30"	58"	27"	12"
12"	PVC	56"	23"	11"	6"	109"	88"	36"	68"	32"	16"

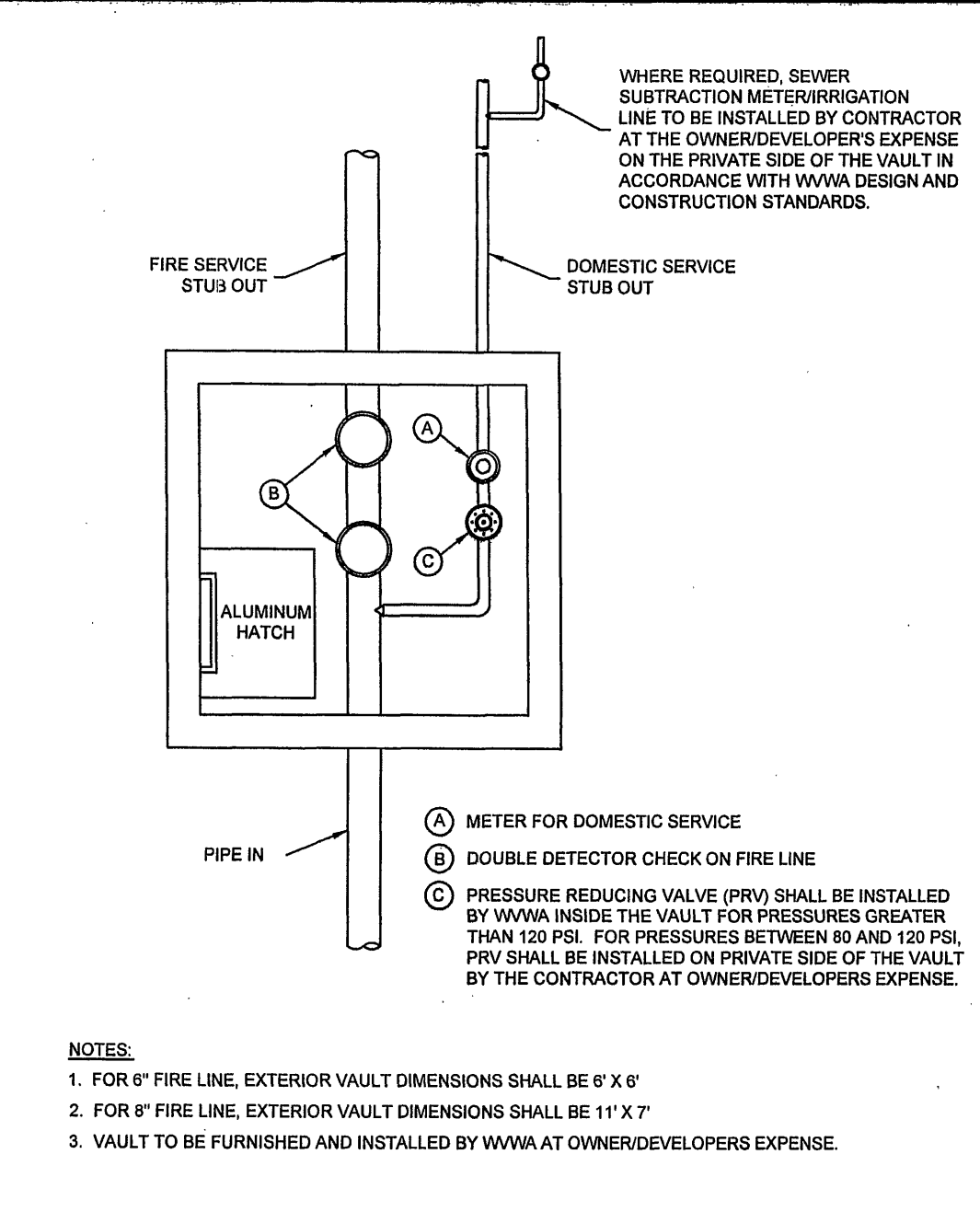
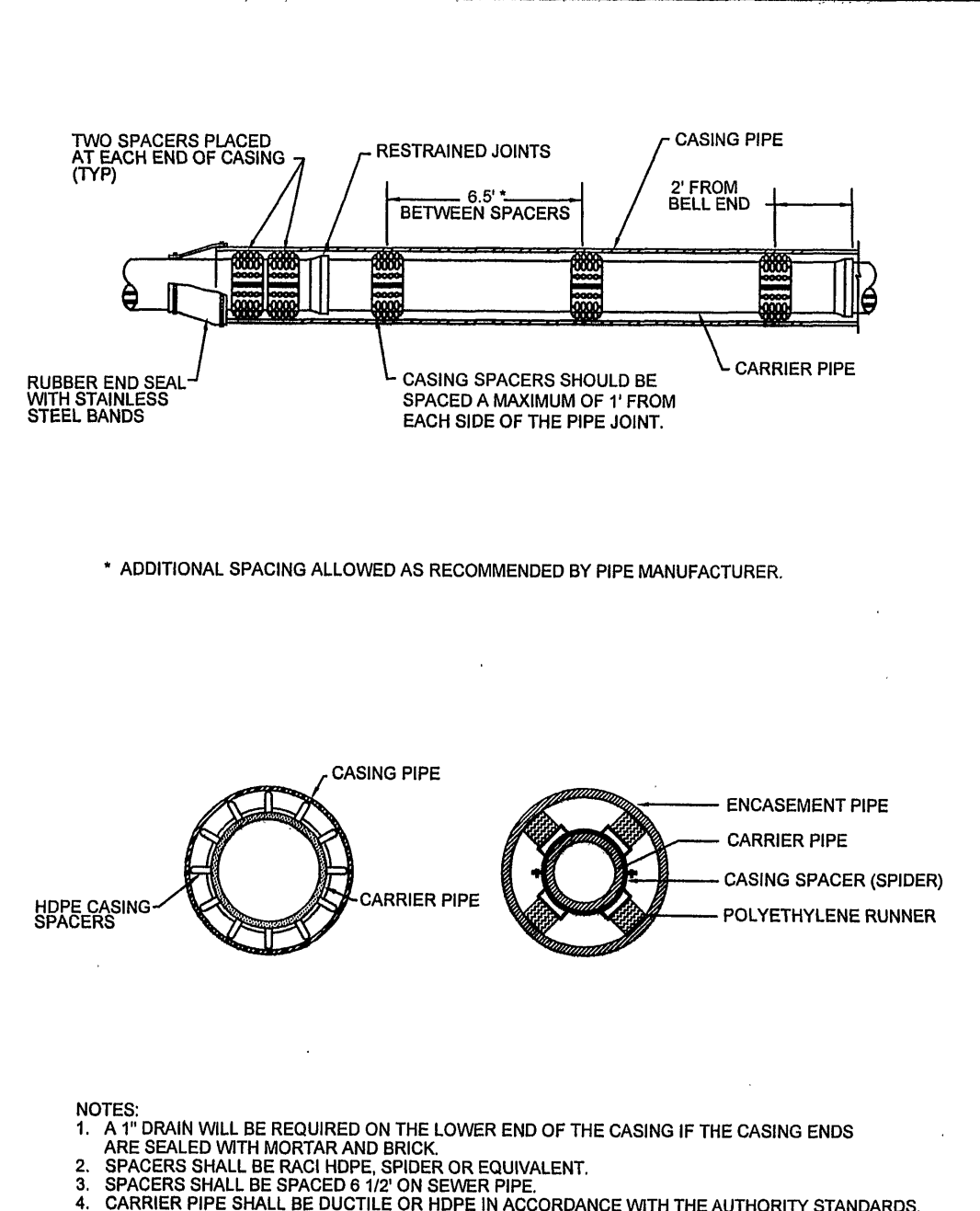
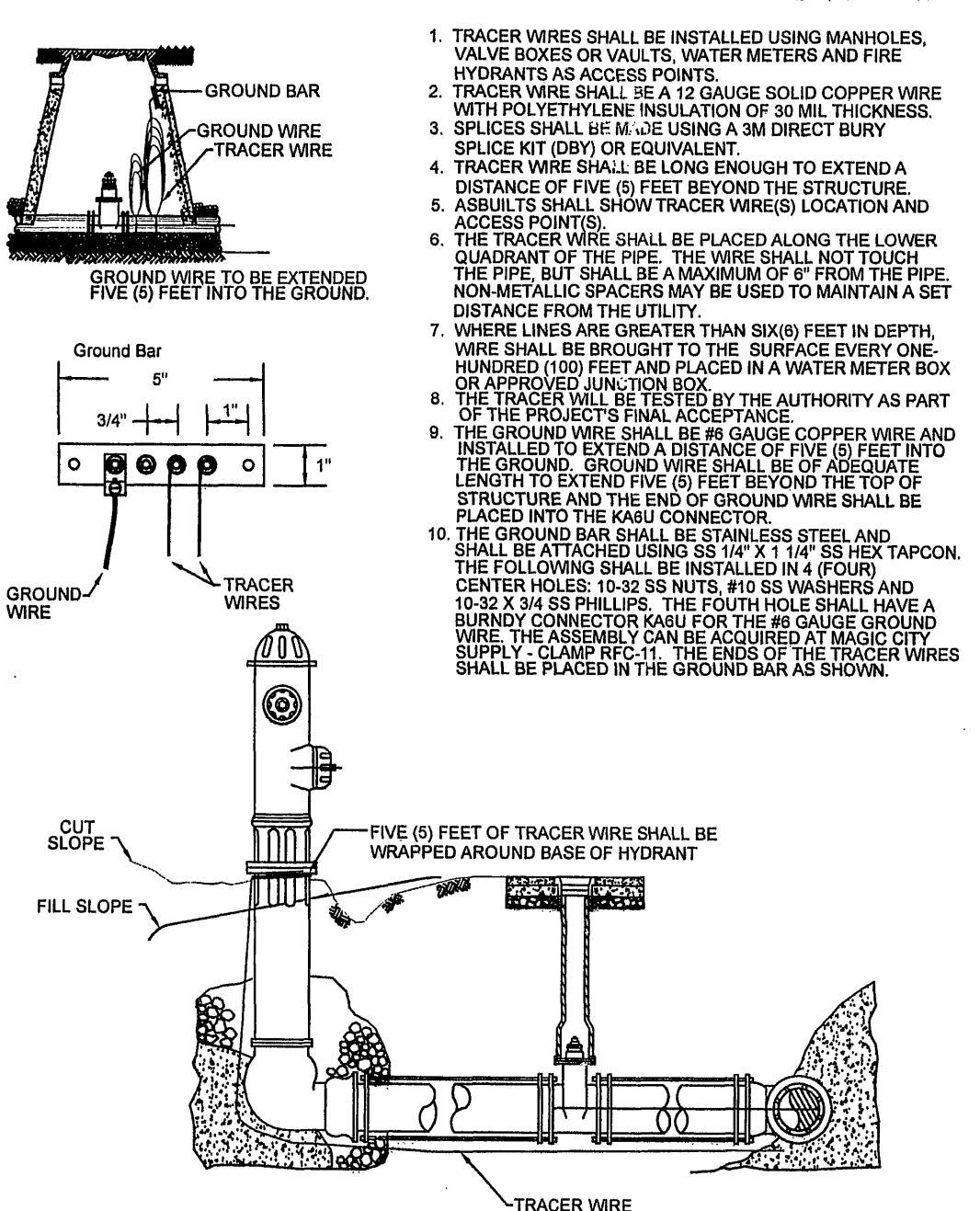
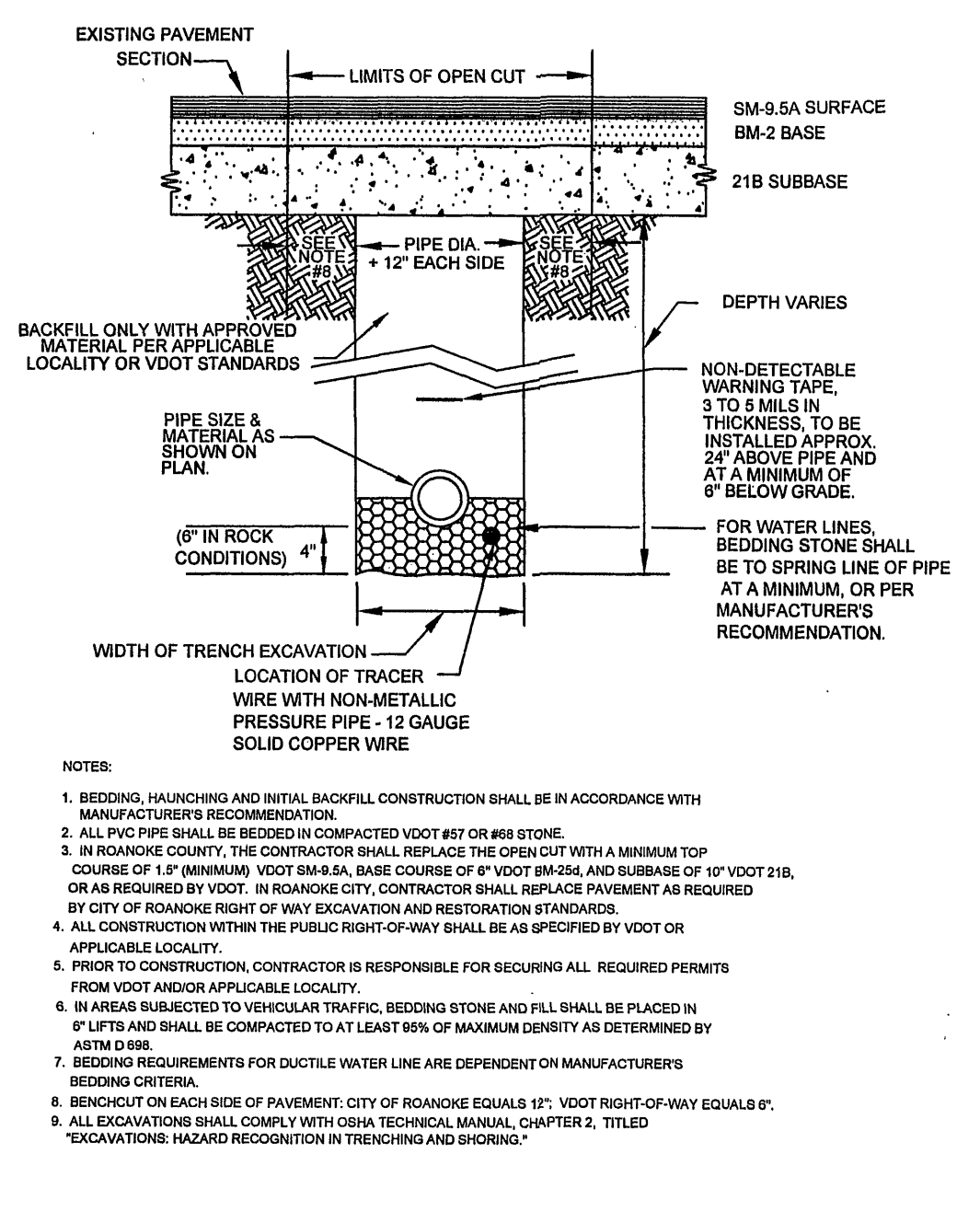
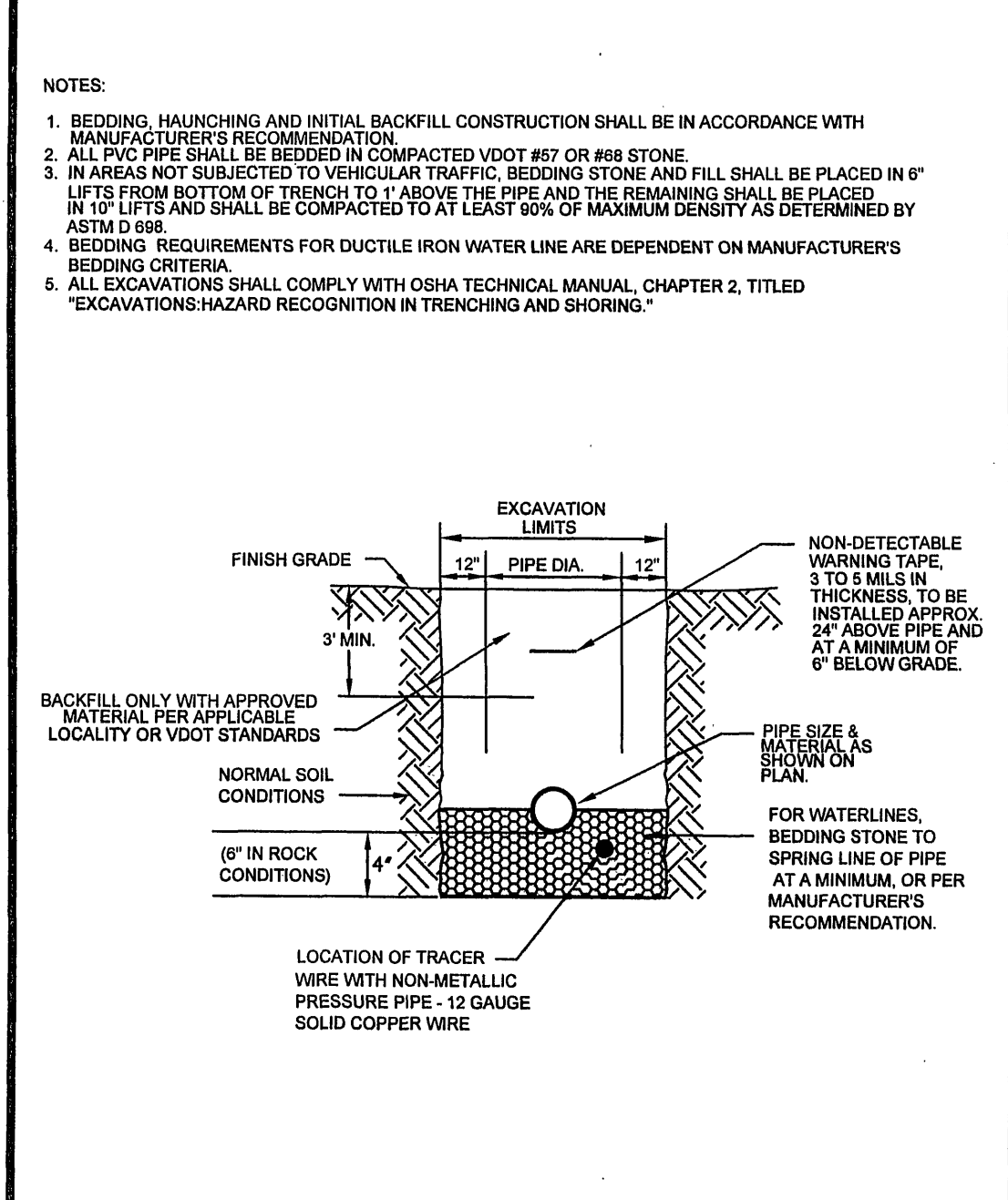
WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-08
07/01/04	WATER LINE VALVE INSTALLATION	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-16
07/01/04	INSTALLATION DETAIL FOR ALL FRAMES AND COVERS	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-18
07/01/04	FIRE HYDRANT ASSEMBLY	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-19
07/01/04	THRUST BLOCK CONSTRUCTION	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-20
07/01/04	THRUST RESTRAINT OF PIPE JOINTS DESIGN LENGTHS	
03/01/08		



WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-24
07/01/04	BEDDING AND BACKFILL OUTSIDE OF PAVED AREAS	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-25
07/01/04	BEDDING AND BACKFILL UNDER PAVEMENT AND RIGHT-OF-WAY	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	G-05
07/01/04	TRACER WIRE FOR NON-METALLIC PRESSURE PIPE	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-22
07/01/04	PIPE SUPPORT IN CASING PIPE	
03/01/08		

WESTERN VIRGINIA WATER AUTHORITY - CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-26
07/01/04	WATER VAULT	
03/01/08		

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COMMONWEALTH OF VIRGINIA
KEVIN T. BARNES
Cert. No. 000787
3-20-2009
LANDSCAPE ARCHITECT

WATER AND SANITARY SEWER DETAILS

PARKWAY ACADEMY AT
PARKWAY HOUSE OF PRAYER
PREPARED FOR
JONES & JONES ARCHITECTS, PC
CITY OF ROANOKE, VIRGINIA

REVISIONS	NO.	DATE	DESCRIPTION
	1		
	2		
	3		
	4		
	5		

DATE: March 26, 2009
SCALE: NONE
COMMISSION NO: 2008-210
SHEET 12 OF 13