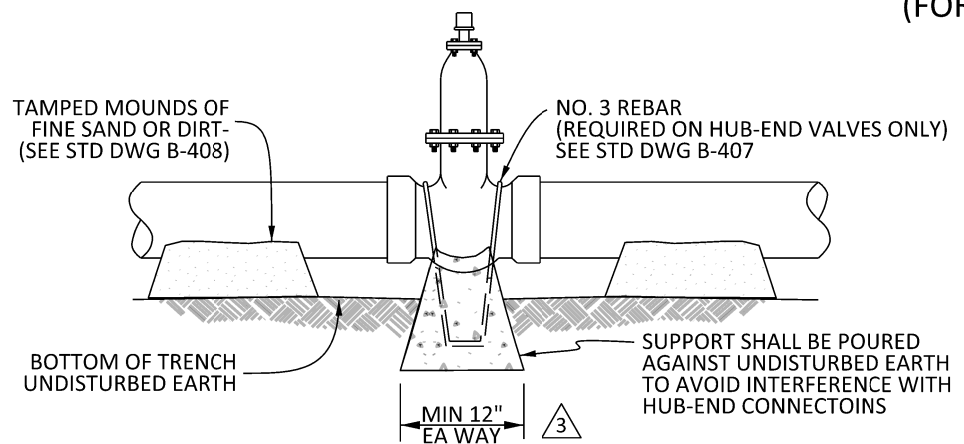


**14" DIAMETER AND LARGER STEEL PIPELINE INSTALLATION**  
(FOR 12" DIAMETER AND SMALLER REFER TO DWG B-563)



**AC, PVC, AND DI PIPELINE INSTALLATION FOR 4" DIAMETER AND LARGER**

- NOTES:**
1. ALL FLEXIBLE JOINTS IN PIPELINES UPSTREAM FROM VALVES OR IN BRANCH LINE SHALL BE WELDED OR RESTRAINED IN ACCORDANCE WITH THE SPECIFICATIONS AND CONTRACT DRAWINGS TO PROVIDE ANCHORAGE FOR UNBALANCED FORCES.
  2. ALL STEEL FLANGES SHALL BE COATED IN FIELD WITH AN APPROVED COATING PER EMWD SPECIFICATIONS.
  3. ALL STEEL PIPE AND FITTINGS SHALL BE COATED WITH THE SAME MATERIAL AS SUPPLIED ON THE PIPE.
  4. VALVES 20" & LARGER REQUIRE ENGINEER'S APPROVAL.
  5. RECYCLED WATER PIPELINE SHALL HAVE LOCATOR TAPE INSTALLED. TAPE TO BE (3") THREE INCHES WIDE AND PLACED ABOVE THE RECYCLED WATER LINE STATING IN (2") TWO INCH HIGH LETTERING, "CATION RECYCLED WATER", THE COLOR OF THE TAPE SHALL BE PURPLE-PANATONE 512C.
  6. CONCRETE PAD SHALL BE OF CLASS "A" CONCRETE 3000 PSI.
    - A. CLOSED CELL NEOPRENE PER ASTM D-1056, D-1667a & D-412;
      - COMPRESSION RESISTANCE = 5-13 PSI
      - 50% COMPRESSION SET = 25%
      - DENSITY = 15-30 LBS/FT<sup>3</sup>
      - WATER ABSORPTION = 0.1 MAX LBS/FT<sup>2</sup>
      - TENSILE = 150 MIN. PSI
      - ELONGATION = 350 MIN. %

GATE VALVE SIZE	TABULATED DIMENSIONS		
	VALVE HEIGHT "A"	COUPLING NIPPLE "B"	ABS. MIN. COVER "C"
4"	19"	1'-6"	1'-7"
6"	23"	1'-6"	1'-9"
8"	28"	1'-6"	2'-0"
10"	31"	1'-6"	2'-4"
12"	36"	2'-0"	2'-8"
14"	41"	2'-0"	3'-0"
16"	47"	2'-0"	3'-5"
18"	51"	2'-0"	3'-8"
*20"	56"	2'-0"	3'-11"

REVISIONS				APPROVALS			 EASTERN MUNICIPAL WATER DISTRICT	EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING	
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE	INITIAL		DATE	<b>INSTALLATION OF VERTICAL GATE VALVE</b> STEEL PIPE 14" & LARGER / AC, PVC, & DI 4" & LARGER
4	11/2/22	GS	ADDED CONCRETE PAD DETAIL, NOTE 6 AND REMOVED SADDLE AND FLANGED TEE CONNECTION DETAILS	<i>AGA</i>	11/2/22	<i>M.M.</i>	11/20/72	DESIGN	
			CONSTRUCTION						
3	4/8/22	GS	UPDATED TITLE BLOCK, FONT, LOGO, CAP & RISER REFERENCE	<i>AGA</i>	4/8/22	<i>L.M.</i>	11/21/72	INSPECTION	
			OPERATIONS						
			SUBMITTED						
REFERENCES: SUPERCEDES PB-4				SCALE: NONE			APPROVED <u>Doyle J. Boen</u> 11/72 GENERAL MANAGER & CHIEF ENGINEER DATE		
FILE I.D.: J:\Master CAD Files\B-255				DRAWN BY: KER					B-255