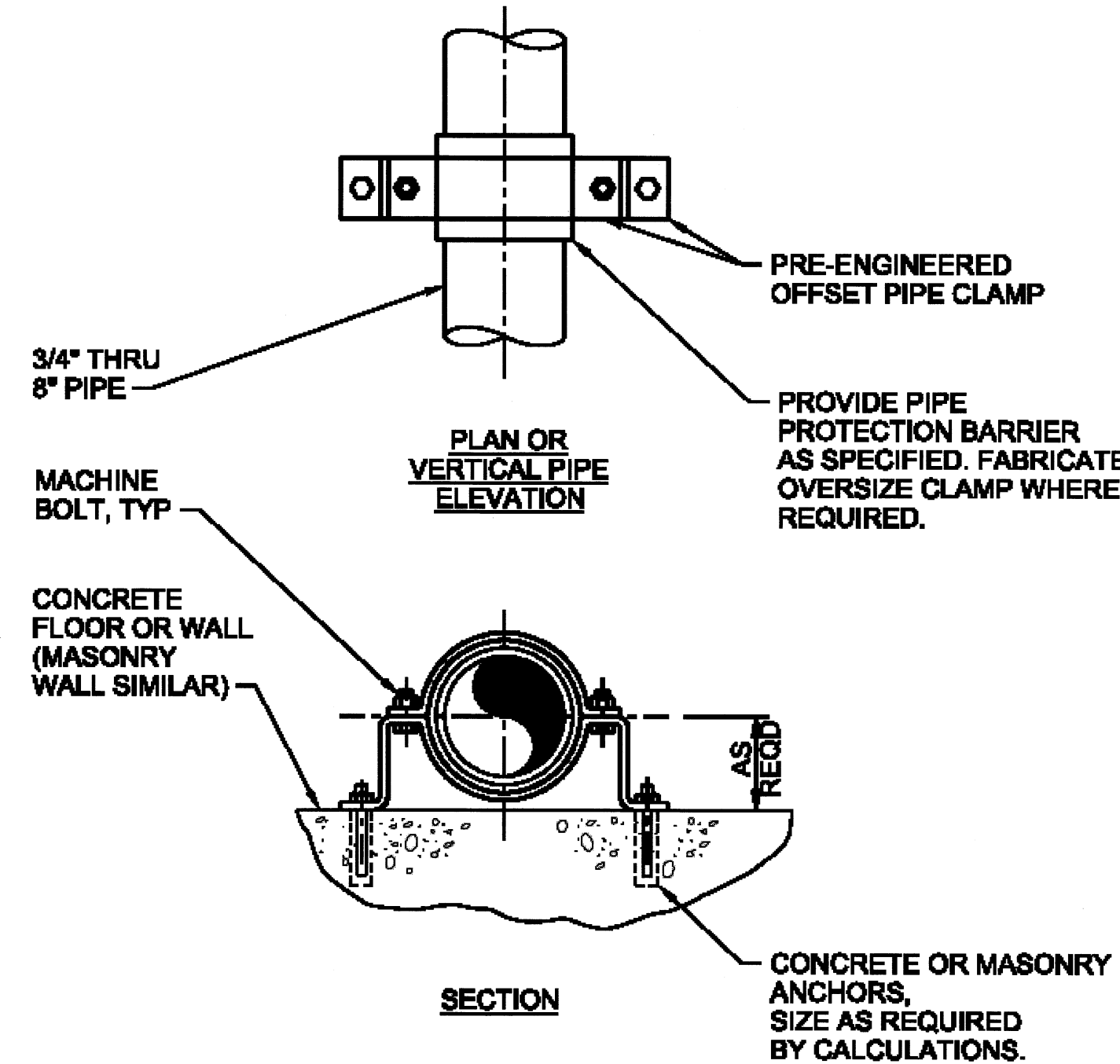


**NOTES:**

1. ONLY FOR VERTICAL PIPES.
2. NOT FOR USE ON CEILINGS OR BOTTOMS OF BEAMS.
3. PROVIDE PIPE PROTECTION BARRIER AS SPECIFIED. FABRICATE OVERSIZE STRAP WHERE REQUIRED.
4. SUBMIT FINAL DESIGN AND CALCULATIONS FOR SUPPORT AND ANCHORAGE AS SPECIFIED.

**PIPE SUPPORT - WALL MOUNT**  
NTS

4005-503

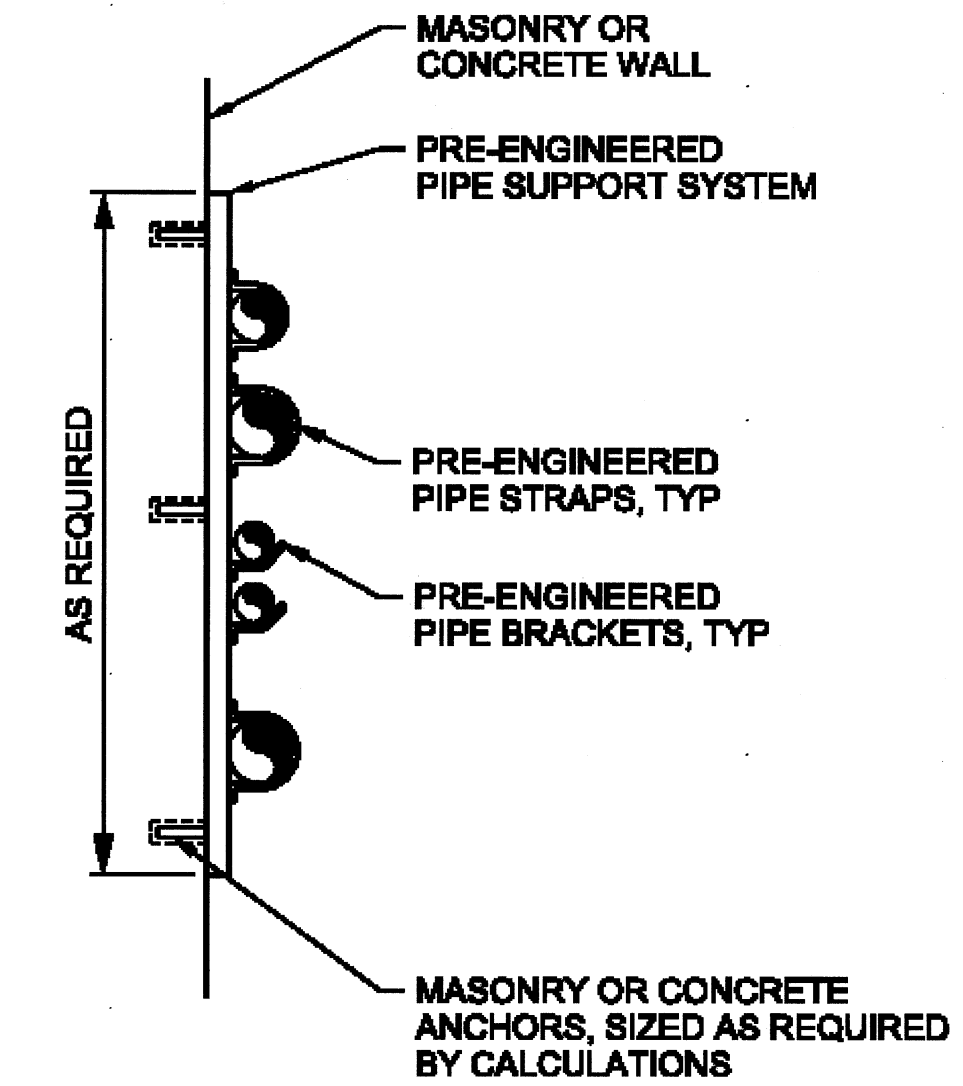


**NOTES:**

1. ONLY FOR VERTICAL OR FLOOR MOUNTED PIPES.
2. SUBMIT FINAL DESIGN AND CALCULATIONS FOR SUPPORT AND ANCHORAGE AS SPECIFIED.

**PIPE SUPPORT - WALL MOUNT**  
NTS

4005-505

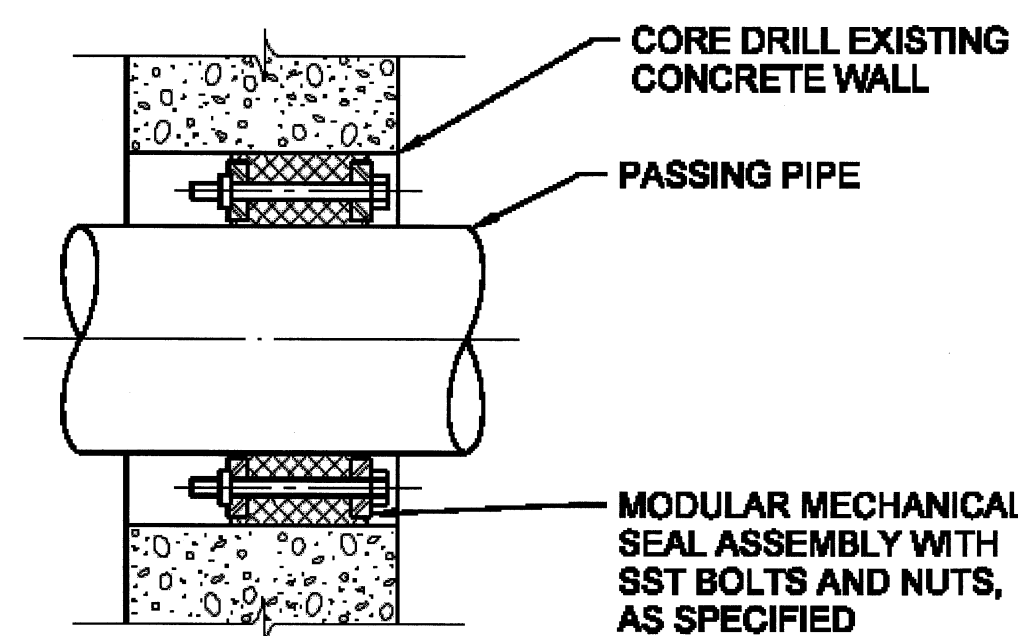


**NOTES:**

1. PROVIDE PIPE PROTECTION BARRIER AS SPECIFIED.
2. SUBMIT FINAL DESIGN DRAWINGS AND CALCULATIONS OF SUPPORTS AND ANCHORAGES AS SPECIFIED.

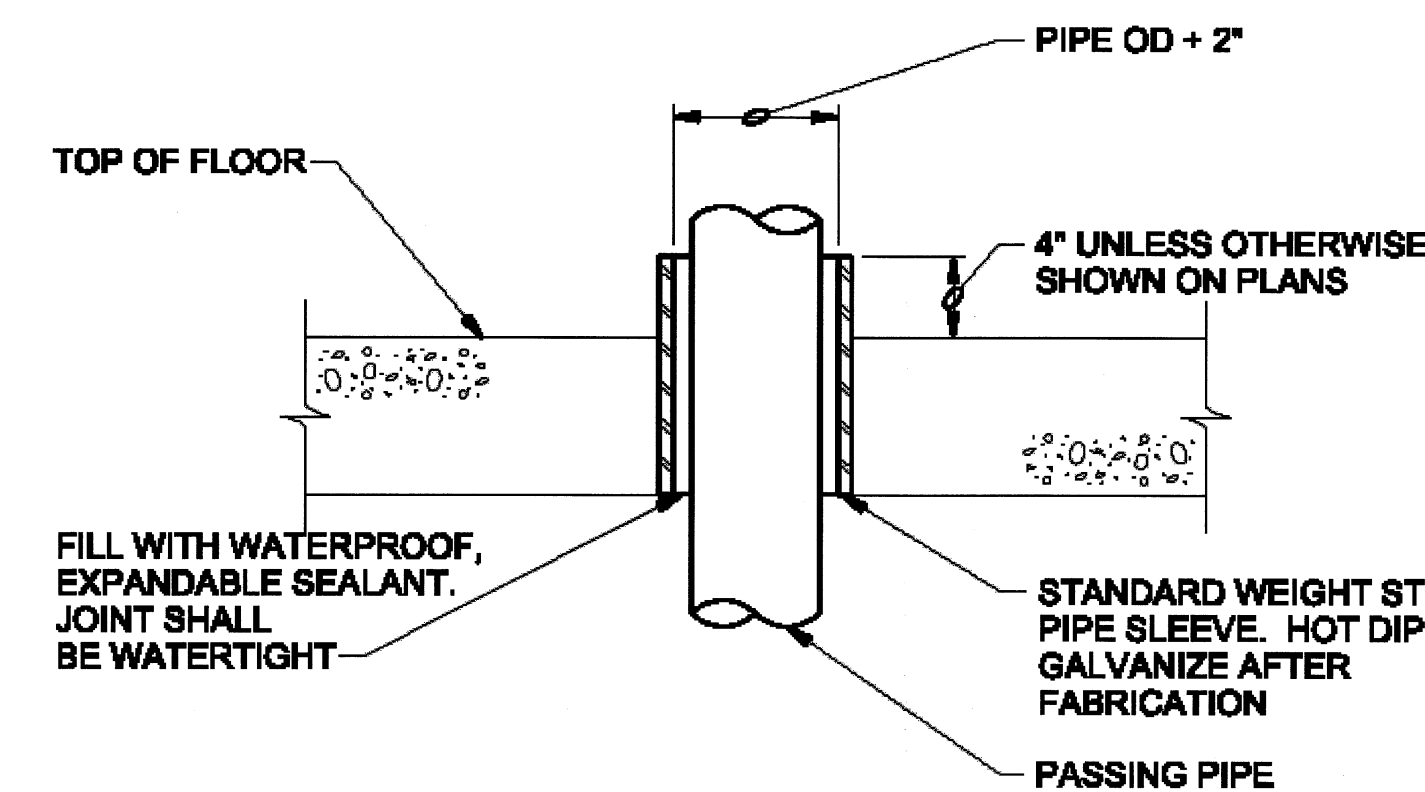
**STACKED PIPE WALL SYSTEM**  
NTS

4005-521



**PENETRATION FOR EXISTING WALL**  
NTS

4027-610

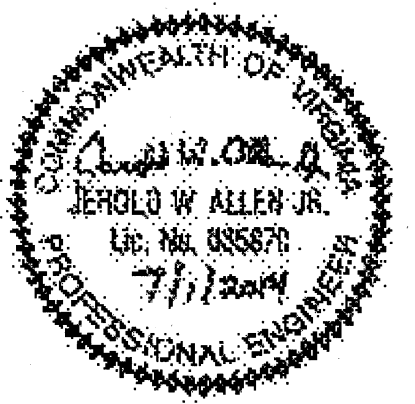


**NOTES:**

1. COAT FLOOR SLEEVE WITH SPECIFIED PAINT SYSTEM BEFORE CONCRETE PLACEMENT.

**FLOOR SLEEVE**  
NTS

4027-620



NO.	DATE	REVISION	BY	APVD
1		DR	J. ALLEN	
2		CHK	G. P. ALLEN	
3		APVD		

CRYSTAL SPRING WATER TREATMENT PLANT  
CLEARWELL REPLACEMENT  
WESTERN VIRGINIA WATER AUTHORITY  
CITY OF ROANOKE, VIRGINIA

**CH2MHILL.**  
PROCESS MECHANICAL  
DETAILS

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	JUNE 2014
PROJ	475481
DWG	M-5002
SHEET	21 of 37