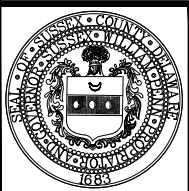


BUTTRESS DIMENSIONS									
CONFIGURATION	PIPE DIAMETER (D) IN INCHES (I.D.)								
	1.5	2	3	4	6	8	10	14	
90°									
	A	12	12	15	24	24	30	49	69
	B	3	3	4	6	6	9	13	18
45°									
	A	6	8	11	15	15	20	37	51
	B	2	4	6	7	7	8	19	26
22.5°									
	A	4	6	8	9	9	12	26	37
	B	1	3	4	7	7	8	13	19
11.25°									
	A	3	4	6	6	6	8	19	26
	B	1	2	3	7	7	8	10	13
PLUG									
	E	6	9	9	6	6	8	10.5	10.5
	F	7	9	13	12	12	16	42	58
TEE									
	H	12	18	18	8	8	9	21	21
	I	4	5	7	8	8	10	21	29
TEE									
	J	2	3	4	7	7	9	11	15
	K	2	2	4	6	6	8	12	14

SEE DETAIL S-4.03 FOR CONFIGURATIONS.

NOTES:

1. ALL CONCRETE TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. BUTTRESS DIMENSIONS GIVEN ARE MINIMUM DIMENSIONS BASED UPON 3000 PSF MINIMUM SOIL BEARING CAPACITY AND 150 PSI MAXIMUM INTERNAL PIPE PRESSURE. PARAMETERS OUTSIDE OF THESE TOLERANCES WILL REQUIRE A SPECIAL BUTTRESS DESIGN APPROVED BY THE COUNTY.
3. ALL CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH.
4. TEE DIMENSIONS IN TABLE SHALL BE USED FOR WYES.



SUSSEX COUNTY
ENGINEERING DEPARTMENT

APPROVED: *[Signature]*
SUSSEX COUNTY ENGINEER

CONCRETE BUTTRESS
DIMENSIONS

DETAIL
S-4.04

DATE ISSUED:
12/30/2021