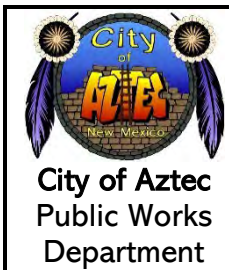


TRENCH SHORING-MINIMUM REQUIREMENTS

SIZE & SPACING OF MEMBERS

DEPTH OF TRENCH	CONDITION OR KIND OF EARTH	UPRIGHTS		STRINGERS		CROSS BRACES—SEE NOTE 1							
		MINIMUM DIMENSION	MAXIMUM SPACING	MINIMUM DIMENSION	MAXIMUM SPACING	WIDTH OF TRENCH							
		INCHES	FEET	INCHES	FEET	UP TO 3'	3'TO 6'	6'TO 9'	9'TO 12'	12'TO 15'	MAXIMUM SPACING		
5' TO 10'	HARD, COMPACT. . . . .	.3X4 OR 2X6	6			2X6	4X4	4X6	6X6	6X8	4	4	6
	LIKELY TO CRACK. . . . .	.3X4 OR 2X6	3	4X6	4	2X6	4X4	4X6	6X6	6X8	4	4	6
10' TO 15'	SOFT, SANDY, OR FILLED. . . . .	.3X4 OR 2X6	CLOSE SHEETING	4X6	4	4X4	4X6	6X6	6X8	8X8	4	4	6
	HYDROSTATIC PRESSURE. . . . .	.3X4 OR 2X6	CLOSE SHEETING	6X8	4	4X4	4X6	6X6	6X8	8X8	4	4	6
15' TO 20'	HARD. . . . .	.3X4 OR 2X6	4	4X6	4	4X4	4X6	6X6	6X8	8X8	4	4	6
	LIKELY TO CRACK. . . . .	.3X4 OR 2X6	2	4X6	4	4X4	4X6	6X6	6X8	8X8	4	4	6
OVER 20'	SOFT, SANDY, OR FILLED. . . . .	.3X4 OR 2X6	CLOSE SHEETING	4X6	4	4X6	6X6	6X8	8X8	8X10	4	4	6
	HYDROSTATIC PRESSURE. . . . .	.3X6	CLOSE SHEETING	8X10	4	4X6	6X6	6X8	8X8	8X10	4	4	6
OVER 20'	ALL KINDS OR CONDITIONS. . . . .	.3X6	CLOSE SHEETING	4X12	4	4X12	6X8	8X8	8X10	10X10	4	4	6
	ALL KINDS OR CONDITIONS. . . . .	.3X6	CLOSE SHEETING	6X8	4	4X12	8X8	8X10	10X10	10X12	4	4	6

NOTES: 1) TRENCH JACKS MAY BE USED IN LIEU OF, OR IN COMBINATION WITH, CROSS BRACES. SHORING IS NOT REQUIRED IN SOLID ROCK, HARD SHALE, OR HARD SLAG. WHERE DESIRABLE, SHEET STEEL PILING AND BRACING OF EQUAL STRENGTH MAY BE SUBSTITUTED FOR WOOD.



TRENCH DETAILS

CONSTRUCTION STANDARDS

STANDARD NO. SS-12

SHEET 4 OF 4

APP'D R. Salcido
DATE Oct. 11, 2023