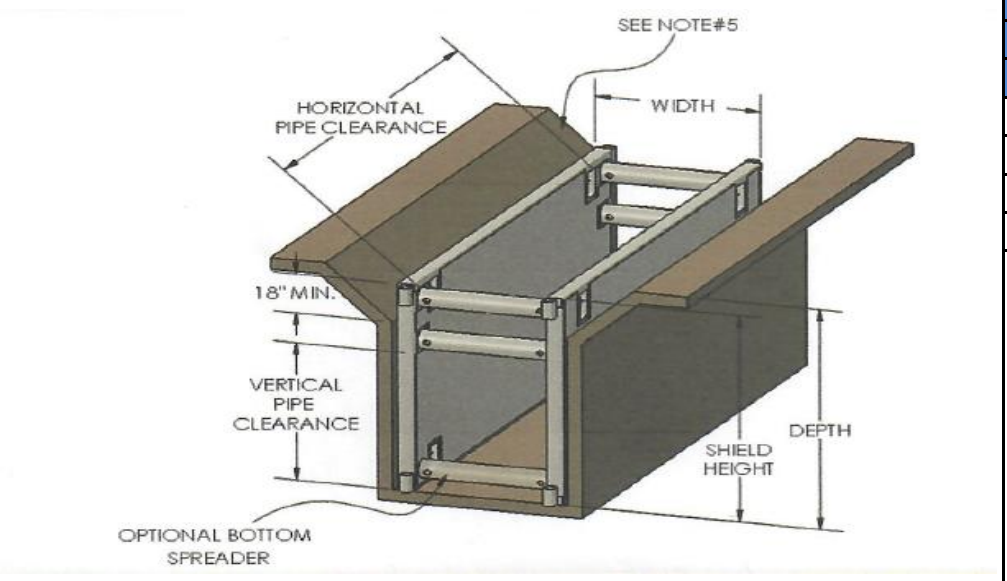
Pacific SHORING
Quality Driven, Lead Time Focused

TRENCH SHIELD TABULATED DATA

3810 MAGNOLIA PARKWAY,
PEARLAND, TX 77584

MODEL NUMBER:	01.TS-4M1020SKE-CPS	**WALL THICKNESS:**	4"	**SPREADER PIN DIAMETER:**	2"
SERIAL NUMBER:	PS24699	**SPREADER SIZE:**	8" SCH. 80 PIPE	**PIN YIELD STRENGTH:**	90 KSI
TRENCH SHIELD HEIGHT:	10'	**SPREADER YIELD:**	55 KSI	**MAX PRESSURE RATING:**	785 PSF
TRENCH SHIELD LENGTH:	20'	**MAX SPREADER LENGTH:**	20'	**MANUFACTURE DATE:**	12/9/2024



33% SHORING USE FACTOR:	YES
SURCHARGE PRESSURE INCLUDED:	72 PSF

SOIL TYPE	MAXIMUM DEPTH
A-25	29'
B-45	16'
C-60	12'
C-80	9'

STATE OF TEXAS
ADRIANUS J. VERMEULEN
107042
LICENSED PROFESSIONAL ENGINEER

J.M. Turner Engineering F-11311

SIGNED ON: 12/13/2024

NOTES & LIMITATIONS:

1) SOILS MUST BE CLASSIFIED BY A COMPETENT PERSON AS TYPE A, B, OR C IN ACCORDANCE WITH OSHA STANDARD 29 CRF, PART 1926, SUPART P.
2) SLOPED SOILS MUST EXTEND TO NO LESS THAN 18" BELOW THE TOP OF THE TRENCH SHIELD, AS SHOWN IN THE DIAGRAM ABOVE. TRENCH SHIELD NEED NOT EXTEND ABOVE THE SOIL WHEN SOILS ARE FLAT AND LEVEL WITH THE TOP OP OF THE SHIELD.
3) TRENCH SHIELD SHALL BE USED UNDER THE DIRECT SUPERVISION AND DIRECTION OF A COMPETENT PERSON AS DEFINED BY OSHA STANDARD 29 CRF, PART 1926, SUPART P. AND ALL MANUFACTURER'S RECOMMENDATIONS. AMONG OTHER QUALIFICATIONS, THE COMPETENT PERSON SHALL BE TRAINED IN THE USE OF TRENCH SHIELDS AND HAVE PRACTICAL FIELD EXPERIENCE WITH THE USE OF THE SHIELDS, SOIL CLASSIFICATIONS, AND RECOGNIZING HAZARDOUS CONDITIONS.
4) PRIOR TO TRENCH SHIELD USE ALL SPREADERS SHALL BE SECURED TO SOCKETS WITH PINS, OR OTHER MECHANICAL CONNECTIONS THAT ARE APPROVED BY THE MANUFACTURER. (DO NOT APPLY SIDE LOAD TO THE SPREADERS AT ANY TIME INCLUDING LEANING PLATES OR SHEETING FOR SOIL SUPPORT) UNLESS APPROVED IN WRITING BY A REGISTERED P.E.
5) THE TABULATED PRESSURE RATING AND MAXIMUM DEPTH RATINGS ARE BASED OFF LATERAL EARTH PRESSURES ONLY. AN ADDITIONAL LATERAL SURCHARGE PRESSURE UP TO 72 PSF IS ALLOWED.
6) TRENCH SHIELDS SHALL BE INSTALLED IN A MANNER THAT WILL PREVENT LATERAL OR OTHERWISE HAZARDOUS MOVEMENT OF SOILS. SHIELDS ARE NOT INTENDED TO PROVIDE STABILITY TO ADJACENT BUILDINGS OR OTHER STRUCTURES.
7) THE CONTRACTOR MUST ENSURE THAT THE GROUNDWATER LEVEL ON ALL SIDES OF THE SHORING IS MAINTAINED BELOW THE BASE OF THE EXCAVATION AT ALL TIMES, OTHERWISE, THIS CERTIFICATION IS INVALID.
8) THE EXTERIOR WALLS OF THE TRENCH SHIELD SHALL BE IN DIRECT CONTACT WITH SOILS.
9) TRENCH SHIELDS MUST BE INSPECTED PRIOR TO EACH USE FOR ANY DAMAGE OR DETERIORATION. IF THE ASSEMBLY HAS SUSTAINED DAMAGE, THE TABULATED DATA IS VOID UNTIL REPAIRS ARE MADE AND APPROVED IN WRITING BY A LICENSED ENGINEER.
10) ANY MODIFICATIONS TO THE TRENCH SHIELD USING PARTS THAT ARE NOT MANUFACTURED BY PACIFIC SHORING PRODUCTS, EXTENDING THE HEIGHT OR LENGTH OF SHORING IN ANY WAY, OR CHANGING THE LOADING CONDITION, WILL VOID THIS TABULATED DATA AND THE SHIELD SHALL NOT BE USED WITHOUT APPROVAL IN WRITING BY A LICENSED PROFESSIONAL ENGINEER.
11) THE TRENCH SHIELD MAY BE STACKED, PROVIDED THAT APPROPRIATE CONNECTIONS ARE MADE BETWEEN THE STACKED SHIELDS TO PREVENT LATERAL MOVEMENT.
12) THIS DOCUMENT HAS BEEN PREPARED BY A REGISTERED P.E., AS REQUIRED BY OSHA STANDARD 29 CRF, PART 1926, SUPART P.
13) TRENCH SHIELDS MUST BE USED IN STRICT COMPLIANCE WITH ALL APPLICABLE OSHA GUIDELINES, AND LIMITATIONS OUTLINED IN THIS DOCUMENT. (FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH.)