

**Trench Shore Rentals**  
A Division of Woudenberg Industries

3020 S. 19th Ave. Phoenix AZ 85009  
Phone: (602)-253-3311

**TRENCH SHIELD  
CERTIFICATION**

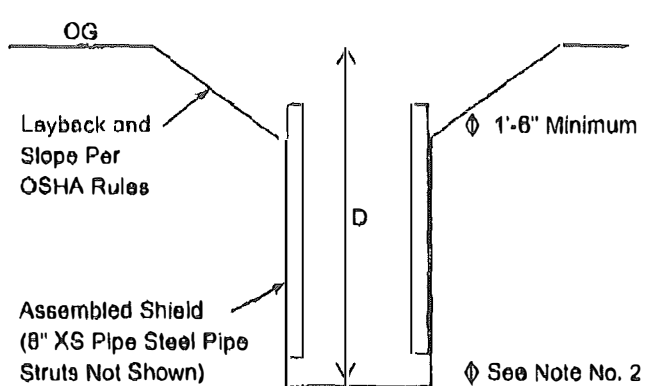
MODEL

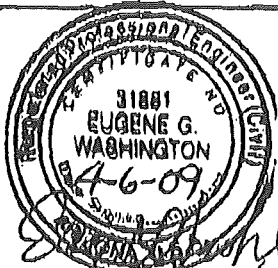
8' high x 32' long x 8" Wall

SERIAL #

832WD801

**REFERENCE TO OCCUPATIONAL SAFETY AND HEALTH RULES  
AND REGULATIONS, VOL. 54, NO. 209, SUBPART P**

SHIELD SIZE		PSF RATING	MAXIMUM ALLOWABLE DEPTH ( D ) OF EXCAVATION IN SOIL TYPE TO BE EXCAVATED (FEET)		
HEIGHT (FEET)	LENGTH (FEET)	MAXIMUM LATERAL EARTH PRESSURE '@ TRENCH BASE IN PSF	TYPE A Stiff, Cohesive Soil 25 PSF per foot of depth	TYPE B Medium Cohesive Soil 45 PSF per foot of depth	TYPE C Soft Cohesive Soil 60 PSF per foot of depth
8	32	942	34.8	19.3	14.5
<b>LIMITATIONS IN USE TABLE</b>  1. Trench shield to be assembled and installed in accordance with Manufacture's instructions.  2. Excavation 2 feet below bottom of shield is permitted when no loss of soil from behind or below shield occurs.  3. Shields may be stacked with no reduction of PSF rating.  4. Excavation depths are based on types of soil. Verify soil type prior to shield use.  5. All modifications and/or alterations must be approved in writing by a Registered Engineer.  6. Depth certifications are based on soil load duration not exceeding 24 hours.			<b>DESCRIPTION</b> Clay, silty clay, sandy clay, clay loam Unconfined compressive strength of 1.5 tps or greater	<b>DESCRIPTION</b> Clay, cohesionless gravel, sands and silt Unconfined compressive strength of 0.5 tps to 1.5 tps	<b>DESCRIPTION</b> Clay, submerged gravel, sands and silt Unconfined compressive strength of less than 0.5 tps
			 <p>The diagram illustrates a cross-section of a trench excavation. At the top, a horizontal line represents the ground surface (OG). Below it, the trench walls are shown with different soil types: Type A (stiff, cohesive soil) on the left, Type B (medium cohesive soil) in the middle, and Type C (soft cohesive soil) on the right. A vertical line labeled 'D' indicates the maximum allowable depth of excavation. A horizontal line labeled 'V' indicates the bottom of the shield. A label 'Layback and Slope Per OSHA Rules' points to the trench walls. A label 'Assembled Shield (8" XS Pipe Steel Pipe Struts Not Shown)' points to the shield structure. A label '1'-6" Minimum' indicates the minimum width of the trench. A label 'See Note No. 2' is also present.</p> <p><b>TYP EXC SECTION</b></p>		



**CERTIFIED BY:**  
EGW ENGINEERING, P. C.  
4220 E. San Remo Avenue  
Higley, Arizona 85236

**FOR:**  
Trench Shore Rentals

USE THIS PRODUCT ONLY IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS

Caution: Any use of this product not described on the certificate  
could cause collapse resulting in serious injury or death.