Oct 29 2008 7:24AM TRENCH SHORE RENTALS

6022533020



SARE-T-SHORE 375 & COMSTOCK, CHANDLER, AZ 85225 PH. (800) 380-0103 8. NOT TYPEA IF FISSURED, SUBJECT TO VIBRATION, PREVIOUSLY DISTURBED OR PART OF A SLOPED LAYERED SYSTEM WHERE LAYERS DIP INTO EXCAVATION ON A SLOPE OF FOUR HORIZONTAL TO ONE VERTICAL (4H:1V) OR GREATER.

PREVIOUSLY DISTURBED SOILS MAY BE TYPE B UNLESS THEY WOULD BE CLASSED AS TYPE C. SOIL THAT MEETS REQUIREMENTS OF TYPEA, BUT g., SUBJECT TO VIBRATION OR FISSURED MAY BE TYPE B. DRY ROCK THAT IS NOT STABLE OR SOLL THAT IS PART OF A SLOPED, LAYERED SYSTEM WHERE LAYERS DIP INTO THE EXCAVATION ON A SLOPE LESS STEEP THAN FOUR HORIZONTAL TO ONE VERTICAL (4H:1V) ARE TYPE B BUT ONLY IF MATERIAL WOULD OTHERWISE BE CLASSIFIED AS TYPE B.

10. SOIL IN A SLOPED LAYERED SYSTEM WHERE LAYERS DIP INTO THE EXCAVATION ON A SLOPE OF FOUR HORIZONTAL TO ONE VERTICAL (4H:1V) OR STEEPER MAY BE TYPE C. SUBMERGED SOIL IS MATERIAL WITH WATER FREELY SEEPING AND ENTERING THE TRENCH, BUT ONLY PART OF THE DEPT OF THE RETAINED SOLLIS SUBMERGED. CONDITIONS MORE SEVERE WOULD REQUIRE DEWATERING OR SEALING FOUR SIDES OF THE EXCAVATION AND PUMPING THE TRENCH, SUCH SEVERE CONDITIONS WOULD REQUIRE THE SERVICES OF A SOILS ENGINEER TO ESTABLISH THE DESIGN PRES-SURE. CONSULT THE MANUFACTURER FOR PRESSURES EXCEEDING TABULATED VALUES.

11. ANY USE OF A TRENCH SHIELD WITHOUT EFFICIENCY SPREADERS AND PINS OR EQUAL WILL VOID THE TABULATED DATA AND WARRAN TY. 12. SHIELD WAS DESIGNED TO BE USED WITHOUT PLATES EXTENDING BELOW, ABOVE, OR NEXT TO LT. ANY USE OF SUCH PLATES OR PANELS MAY VC THE TABULATED DATA, AND MAY REQUIRE SITE SPECIFIC ENGINEERING.

- TRENCH SHIELDS ARE DESIGNED TO BE PUSHED TO GRADE IF NECESSARY. AS NOTED BELOW, ANY UNNECESSARY ABUSE BY THE EXCAVATOR 13 AND OR OPERATOR (SUCHAS POUNDING WITH THE BUCKET) WILL VOID THE TABULATED DATA AS WELLAS THE WARRANTY.
- 14. AN EXCAVATOR SHALL BE RATED TO HANDLE 1 1/2 TIMES THE WEIGHT OF THE SHIELD AND SPREADERS (ACCORDING TO THE MANUFACTURERS LIFTING CAPACITY CHART FOR THAT MACHINE) AT GRADE AND AT A RADIUS OF 20' FROM THE CENTER OF THE EXCAVATOR. CONDITION OF SHIELD, SPREADER PIPES, AND SPREADER PINS MUST BE CHECKED/INSPECTED FOR SERVICEABILITY BY THE COMPETENT PERSON.
- 15 PRIOR TO EACH USE. PSF RATING IS NOT VALID IF THERE IS ANY VISIBLE DAMAGE TO, OR REPAIRS MADE TO THE SHIELD THAT HAVE NOT BEEN DOCUMENTEDAND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER

## Assembly

Lay side panel flat on ground with collar sockets up ...

Place spreader pipe and/or plate onto collars or into brackets and pin in place. Secure pins with keepers.

Lower second sidewall onto spreaders and pin.

Stand trench shie in upright positic and prepare for installation.

Mud Plate Spreader System



## Using a trench shield in stable soil

Excavate to grade just slightly wider than the trench shield. Dig walls vertical to minimum of 18" belowthe top of the shield. Slope soil above shield accord-

ing to manufacturers tabulated data. Install shield in trench.



Using a shield in unstable soil

Excavate until soil begins to crumble beyond desired trench width. Place shleld on line of excavation



Using shields for patchwork, repairs or tie-Ins.

Center shield over work area.

\* Lay soil at ends back according to manufaturers tabulated data or use manufacturer's designed end plates to protect from cave-ins.



Press down on corners to

push shield down to grade

Pull shield forward and up on appropriate angle.

Excavate soil within the shield i repeat previous process.

Pull shield forward by front top spreader pi

or with pulling eyes. (pulling eyes shall be

used with spreaders wider than 72' or whe

soil pressure is severe enough to cause

spreader to deflect).



Manhole box with corner end plates

Excavate in front of the trench shield

Comer end plates help prevent loose material from running into the end of the shield. Soil at ends should be sloped according to manufacturers tabulated data



Using 4-sided shields When using shields as protection du manhole assembly work, insure that proper end panels are used, or lay so at the ends back according to manufactures tabulated data.



\* This material is intended to provide basic assembly and installation information only.

Always use trench shield in accordance with applicable local, state, and federal safety laws and regulations. Failure to do so could cause severe injury or death.