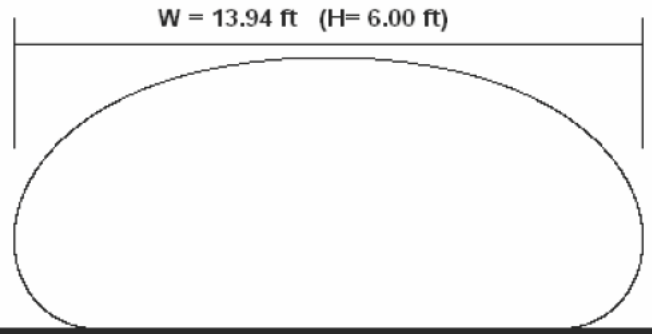

Miratech

ver02s SOFFTWIN - 11/29/06

GIVEN C = 34.00 ft H = 6.00 ft SPG = 1.60 FS = 4.00

DENSITY OF SLURRY	=	99.84 pcf
TUBE CIRCUMFERENCE, C	=	33.99 ft
EX PRESS -TOP OF TUBE, P	=	1.323 ft (water) 0.5732 psi
WORKING CIRCUM FORCE, Tcir	=	95.57 lbs/in 1146.8 lbs/ft
WORKING AXIAL FORCE, Tax	=	71.33 lbs/in 855.91 lbs/ft
TOTAL HEIGHT OF TUBE, H	=	6.005 ft
TOTAL WIDTH OF TUBE, W	=	13.94 ft
BASE CONTACT WIDTH OF TUBE	=	10.37 ft
END AREA OF TUBE	=	70.76 sq ft 77.00 % FULL
TUBE VOLUME, V	=	2.621 cu yd/ft 529.3 gal/ft
FABRIC AREA TO VOL RATIO,R	=	1.441 sq yd/cu yd
BASE PRESSURE	=	4.737 psi 10.93 ft (water)
REQ'D CIRCUM STRENGTH T	=	382.3 lbs/in 4587.4 lbs/ft
REQ'D AXIAL STRENGTH	=	285.3 lbs/in 3423.6 lbs/ft

TITLE	GEOTEXTILE TUBE DESIGN	
URS	PROJ NO	15299035
	FIGURE	8
CLIENT: NASA		
PROJECT: WALLOPS FLIGHT FACILITY SHORELINE RESTORATION		