

GIVEN: AMERICAN PAVING  
 6ME 8'x10'x10'  
 MH TRENCH BOX  
 MH ID DW#810101

TYPE C 60  
 LONG TERM EXP.  
 $F = 1500 \text{ PSF}$

$P_q = .65 \gamma H K_q$   
 $\gamma = 130 \text{ lbf/ft}^3$   
 $H = 19'$   
 $K_q = 0.35$

$P_q = 562 \text{ PSF}$   
 $562 < 1500$   
 OK

STEEL PLATE  
 EXTENSION  
 BOTTOM

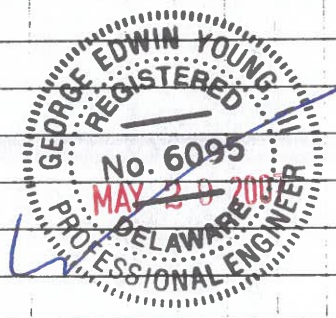
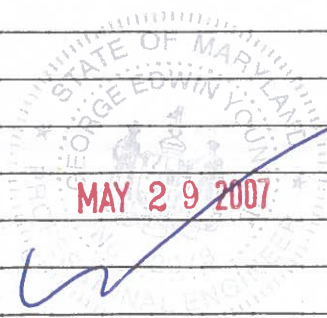
$M = \frac{w l^2}{3} \frac{12}{1000}$

$M = \frac{562 (4)^2 12}{3} \frac{1}{1000}$

$M = 35.97 \text{ in-kip}$

$S = \frac{35.97}{24} = 1.50 \text{ in}^3$

$S_{11} = 2.0 \text{ in}^3 > 1.50 \text{ in}^3$   
 OK



GME  
Manhole Box  
Serial #810101

8' Highx10'x10' Square  
Manhole Box  
Certified To 19.0' Deep

5/29/2007

