

COLORADO DEPARTMENT OF TRANSPORTATION
STABILOMETER RECORD OF
ITEM 304 ABC

Region
Project No.
Proj. location

Pit name	Date	Lab #
Represents	LL	PL
	PI	SE
		Class

GRADATION		
As run		Set up
Seive size	% passing	Scalp
4"		
3"		
2½"		
2"		
1½"		
1"		
¾"		
½"		
⅜"		
#4		
#8		
#16		
#50		
#100		
#200		

Stabilometer "R" value:

% moisture at	lbs. per cu. ft.
% Moisture - #4 Material	_____ X
Weight of - #4 Material	_____ =
Weight of H ₂ O	_____ +
Initial H ₂ O added	_____ =
Total initial H ₂ O	_____ (A)

COMPACTION			
Cylinder #			
H ₂ O added (B)			
Exudation pressure, lbs			
Exudation pressure, PSI			
Ht. of briquette (H)			
Wt. cylinder & wet sample			
Cylinder tare			
Wet wt. of sample (W _w)			
¹ Weight of H ₂ O (C)			
² Dry wt. (D)			
³ % Moisture (M)			
⁴ Density			
Height correction by wt.			

Set up weights

-3/4" + 1/2" _____

-1/2" + 3/8" _____

-3/8" + #4 _____

- #4 _____

STABILOMETER			
Total load	PSI		
1000	80		
2000	160		
Displacement turns			
"R" value			
Drainage			
Exp. pressure dial reading			

¹ (A) + (B) = (C)

² (W_w) - (C) = (D)

³ (C) ÷ (D) = (M)

⁴ $\frac{(W_w) \times 30.3}{(100 + M) \times H}$