

Ken Sidorowicz, PC

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June 23, 2020

Re: 2920 NW Audubon Lane  
Lee's Summit, MO  
Stone Wall Final Inspection

Mr. Keith Scott  
Keith Scott & Co.  
P.O. Box 1626  
Blue Springs, MO 64013-1626

Dear Keith:

Earlier today, I reviewed the construction of the stacked stone retaining wall at the patio at the referenced jobsite.

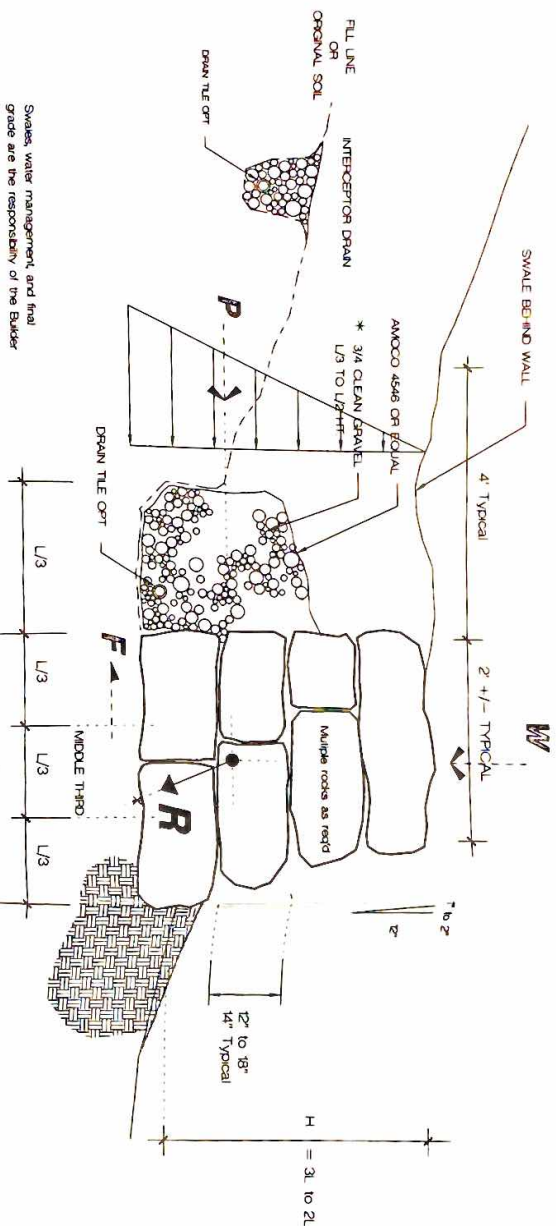
This final visual inspection of the wall indicated that it was constructed in accordance with accepted standards and per the Engineering drawing.

Give me a call if you need any additional information.

Sincerely,

  
Ken Sidorowicz, P.E.  
President





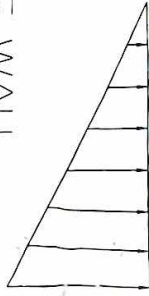
SOIL DENSITY = 100 PCF  
 FRICTION, STONE TO STONE = 0.5  
 FH = 30  
 STONE DENSITY = 175 PCF

	6'	8'	10'	12'
$P_v$	3620	5193	8256	10916
$F (P_v)$	5576	7960	12716	18332
Bearing	1412	1488	1786	1911
$\mu N$	5747	10719	14760	22935

$\mu N > F$   
 $N < P_v + W / \text{AREA} : 2000 \text{ PSF}$

SOIL BEARING AND SLIDING  
 FRICTION CONTROL DESIGN

REACTION,  $R$ , ACTS IN MIDDLE 1/3rd  
 FULLY LOADED BASE

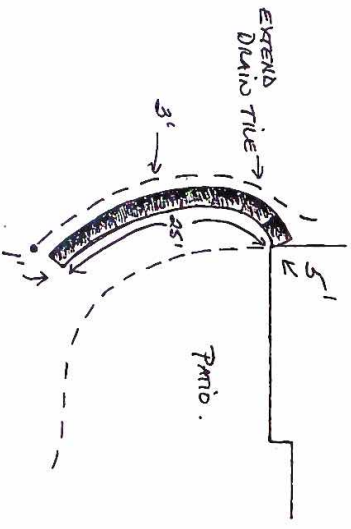


Wall must bear on undisturbed soil

PROJECT DATA

2920 NW Audobon Lane  
 Lees Summit, MO

1 STACKED STONE WALL  
 S1 Cantilevered Wedge, Soil Retention



NOTES ON WALL CONSTRUCTION

WALL STONE SHALL BE AS PROVIDED BY CONTRACTOR  
 STACKED STONE WALL SHALL CARRY NO SURCHARGE  
 PROPERLY BENCH ALL UPHILL SLOPES AND/OR PIER DRIVES AND WALKS  
 CONSULT ENGINEER IF GROUNDWATER IS ENCOUNTERED  
 NO DRAINAGE SHALL OCCUR OVER OR BELOW THE WALL  
 ALL NEARBY DRAINAGE SHALL BE HARPORED AWAY FROM THE WALL  
 THE SUPPORTING BASE MATERIAL SHALL BE UNDISTURBED SOIL  
 THE SUPPORT ENGINEER IF SOIL BEARING IS NOT UNDISTURBED  
 GLOBAL STABILITY ANALYSIS IS NOT PART OF WALL CONSTRUCTION  
 THIS DETAIL IS FOR WALLS TO AND INCLUDING 14' IN HEIGHT  
 CONSULT ENGINEER FOR WALLS OVER 14' IN HEIGHT

2 KEY PLAN  
 S1

**Ken Sidorowicz, PC**

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Keith Scott & Co.



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