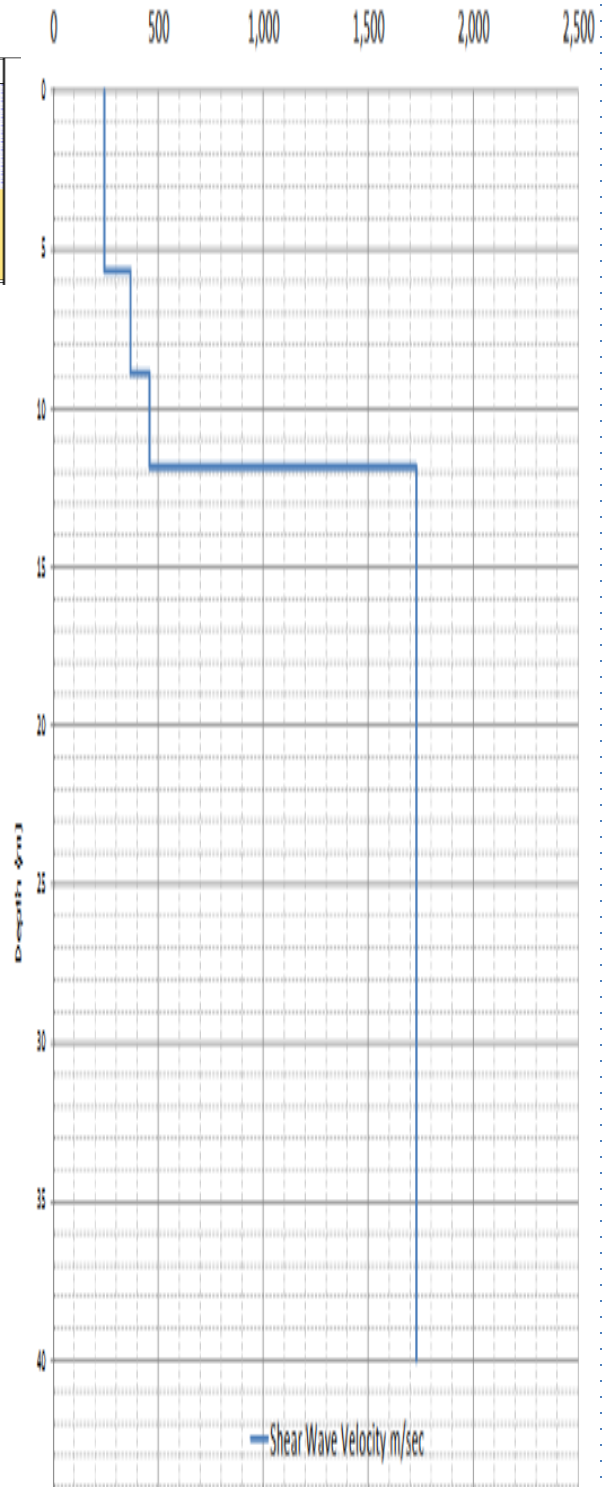


## Site Class from Boreholes or In Field Seismic Site Class?

A classic test hole log, has limited depth and site class must be extrapolated over the remainder of the range.

Our in field seismic site class, for the same site reaches over 30 m and provides data in comparable ranges in the first 6m.



Let us do a ReMi analysis of your sites.  
Help your clients save hundreds of thousands

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Site Class from Boreholes  
or In Field Seismic Site  
Class

Drawing 1



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Site 1

Site 2

Site 3

Site 4

## Shows Four Example Sites with Different Soils to Explore Foundation Depth, Site Class and Wall/soil Decoupling

Depth increment (m) from previous layer base	Total Depth (m) below Surface	Shear Wave Velocity (m/sec)			
3	3	50	50	100	360
3	6	100	100	180	180
3	9	180	180	180	180
3	12	100	360	760	760
10	22	360	760	1000	1000
10	32	760	1000	1000	1000
10	42	1000	1000	1000	1000
50	92	2000	2000	2000	2000
Foundation Depth Below Surface (m)	Site Class for Various Depth of Foundation - Decoupled Wall impact				
0	E	D	D	C	
1.2	D	D	C	C	
2	D	D	C	C	
4	D	C	C	C	
8	C	C	B	B	
16	C	B	B	B	
20	B	B	B	B	

What about decoupling the foundation and building from upper soft layers?

Wow. Some good things are possible. A site class D can become a C or even B.

## Exploring Depth of Foundation and Seismic Site Class

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Site Class from Boreholes  
or In Field Seismic Site  
Class

Drawing 2