















Borehole Data 0 10 20 30 40 50					
5 - 10 - 15 -	1 - 2 - 3 - 4 - 5 -		Fine Sand	L = 49.21Ft.(15m)	
20 - 25 -	6 - 7 - 8 -		Silty Fine Sand	12 12 12 12 10 10 10 10 10 10 10 10	
30 -	9 -		Sandy Clay	• 7	
35 -	11 -		Silty Fine Sand	7 Tubular Sheet Pile	
40 -	12 - 13 -			ays	
45 -	14 -		Clayey Fine Sand	17 einqr	
50 -	15 - 16 -		i ino Garia	17	
55 -	17 -		Silty Fine Sand	13	
60 -	18 - 19 -		Weathered Limestone	148	
N value over 50 is converted figure.					

Type of Project	Rescue Method (protecting structures from sinkhole)		
Purpose of Piling	Permanent Retaining Wall		
Site Location	Orlando, Florida, U.S.A.		
Duration of Work	June to July, 2002		
Client	The Wilson Company, Tampa, Florida, USA		
Piling Contractor	Giken America Corporation		
Press-in System	Press-in Method with Simultaneous Augering		
Press-in Material	Tubular Sheet Pile ϕ 900mm L= 49.21Ft.(15m)		
Press-in Machinery	Super Crush Tubular Piler SCP260		
Method Description	Narrow and laterally limited working area. Piling close to the existing structures. Any damage restricted to the buildings. Safety consideration to the building foundations and the unstable ground itself.		