

ANNEX VII

SOIL INVESTIGATION REPORT

APPENDICES

Appendix I: Probing Records

Appendix II: Plates

1. Probe at BH1.
2. Probe at BH2.
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Appendix I: Probing RecordsPROJECT: **The Exquisite Resort Ltd. Development Project**

LOCATION: The Channel Cayes, Stann Creek District

DATE: September 2007

RECORDED BY: Alberto A. Rosado

Probing BH1

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'-0" – 1'-0"	12	2	Undecomposed fibrous roots
1'-0" – 2'-0"	5	1	Undecomposed fibrous roots
2'-0" – 3'-0"	2	<1	Undecomposed fibrous roots
3'-0" – 4'-0"	7	1	Sandy shelly mud
4'-0" – 5'-0"	12	2	
5'-0" – 6'-0"	50	10	
6'-0" – 7'-0"	45	9	
7'-0" – 8'-0"	27	5	
8'-0" – 9'-0"	31	6	
9'-0" – 10'-0"	25	5	
10'-0" – 11'-0"	20	4	
11'-0" – 12'-0"	22	4	
12'-0" – 13'-0"	24	5	
13'-0" – 14'-0"	30	6	
14'-0" – 15'-0"	32	6	
15'-0" – 16'-0"	35	7	
16'-0" – 17'-0"	36	7	
17'-0" – 18'-0"	30	6	
18'-0" – 19'-0"	35	7	
19'-0" – 20'-0"	28	6	
20'-0" – 21'-0"	25	5	
21'-0" – 22'-0"	26	5	
22'-0" – 23'-0"	24	5	
23'-0" – 24'-0"	26	5	
24'-0" – 25'-0"	28	6	
25'-0" – 26'-0"	30	6	
26'-0" – 27'-0"	31	6	
27'-0" – 28'-0"	35	7	
28'-0" – 29'-0"	36	7	
29'-0" – 30'-0"	40	8	
30'-0" – 31'-0"	42	8	
31'-0" – 32'-0"	35	7	
32'-0" – 33'-0"	34	7	
33'-0" – 34'-0"	30	6	
34'-0" – 35'-0"	32	6	
35'-0" – 36'-0"	35	7	
36'-0" – 37'-0"	38	8	
37'-0" – 38'-0"	35	7	
38'-0" – 39'-0"	36	7	
39'-0" – 40'-0"	40	8	
40'-0" – 41'-0"	41	8	
41'-0" – 42'-0"	45	>9	Probing terminated at 41'-10" since bedrock was encountered.

The water level was eighteen inches below the ground surface.

Probing BH2

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'-0" - 1'-0"	10	2	Undecomposed fibrous roots
1'-0" - 2'-0"	8	1	Undecomposed fibrous roots
2'-0" - 3'-0"	10	2	Undecomposed fibrous roots
3'-0" - 4'-0"	12	2	Sandy shelly mud
4'-0" - 5'-0"	15	3	
5'-0" - 6'-0"	30	6	
6'-0" - 7'-0"	20	4	
7'-0" - 8'-0"	22	4	
8'-0" - 9'-0"	25	5	
9'-0" - 10'-0"	25	5	
10'-0" - 11'-0"	30	6	
11'-0" - 12'-0"	25	5	
12'-0" - 13'-0"	28	6	
13'-0" - 14'-0"	25	5	
14'-0" - 15'-0"	30	6	
15'-0" - 16'-0"	33	6	
16'-0" - 17'-0"	35	7	
17'-0" - 18'-0"	38	8	
18'-0" - 19'-0"	30	6	
19'-0" - 20'-0"	30	6	
20'-0" - 21'-0"	28	6	
21'-0" - 22'-0"	26	5	
22'-0" - 23'-0"	30	6	
23'-0" - 24'-0"	35	7	
24'-0" - 25'-0"	37	7	
25'-0" - 26'-0"	40	8	
26'-0" - 27'-0"	30	6	
27'-0" - 28'-0"	35	7	
28'-0" - 29'-0"	30	6	
29'-0" - 30'-0"	35	7	
30'-0" - 31'-0"	43	8	
31'-0" - 32'-0"	40	8	
32'-0" - 33'-0"	40	>8	Probing terminated since bedrock was encountered at 32'-9"

The water level was twenty nine inches below the existing ground surface.

Probing BH3

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'- 0'' – 1'- 0''	13	3	Undecomposed fibrous roots
1'- 0'' – 2'- 0''	10	2	Undecomposed fibrous roots
2 - 0'' – 3' - 0''	8	1	Sandy shelly mud
3'- 0'' – 4'- 0''	10	2	Sandy shelly mud
4'- 0'' – 5'- 0''	15	3	
5'- 0'' – 6'- 0''	12	2	
6'- 0'' – 7'- 0''	18	4	
7'- 0'' – 8'- 0''	20	4	
8'- 0'' – 9'- 0''	30	6	
9 - 0'' – 10' - 0''	35	7	
10'- 0'' – 11' - 0''	36	7	
11'- 0'' – 12' - 0''	20	4	
12'- 0'' – 13' - 0''	22	4	
13'- 0'' – 14' - 0''	23	4	
14'- 0'' – 15' - 0''	25	5	
15'- 0'' – 16' - 0''	30	6	
16'- 0'' – 17' - 0''	35	7	
17'- 0'' – 18' - 0''	38	8	
18'- 0'' – 19' - 0''	35	7	
19'- 0'' – 20' - 0''	30	6	
20'- 0'' – 21' - 0''	26	5	
21'- 0'' – 22' - 0''	30	6	
22'- 0'' – 23' - 0''	34	7	
23'- 0'' – 24' - 0''	35	7	
24'- 0'' – 25' - 0''	40	8	
25'- 0'' – 26' - 0''	41	8	
26'- 0'' – 27' - 0''	26	5	
27'- 0'' – 28' - 0''	20	4	
28'- 0'' – 29' - 0''	25	5	
29'- 0'' – 30' - 0''	30	6	
30'- 0'' – 31' - 0''	35	7	
31'- 0'' – 32' - 0''	35	7	
32'- 0'' – 33' - 0''	30	6	
33'- 0'' – 34' - 0''	33	6	
34'- 0'' – 35' - 0''	35	7	
35'- 0'' – 36' - 0''	40	8	
36'- 0'' – 37' - 0''	41	8	
37'- 0'' – 38' - 0''	42	8	
38'- 0'' – 39' - 0''	45	9	
39'- 0'' – 40' - 0''	40	8	
40'- 0'' – 41' - 0''	40	8	
41'- 0'' – 42' - 0''	45	9	
41'- 0'' – 42' - 0''	45	>9	Probing terminated since bedrock was encountered at 43'- 0''

The water level was eighteen inches below the existing ground surface.

Probing BH4

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'-0" - 1'-0"	8	1	Undecomposed fibrous roots
1'-0" - 2'-0"	15	3	Undecomposed fibrous roots
2'-0" - 3'-0"	10	2	Undecomposed fibrous roots
3'-0" - 4'-0"	12	2	Sandy shelly mud
4'-0" - 5'-0"	15	3	
5'-0" - 6'-0"	15	3	
6'-0" - 7'-0"	30	6	
7'-0" - 8'-0"	35	7	
8'-0" - 9'-0"	32	6	
9'-0" - 10'-0"	30	6	
10'-0" - 11'-0"	25	5	
11'-0" - 12'-0"	20	4	
12'-0" - 13'-0"	30	6	
13'-0" - 14'-0"	35	7	
14'-0" - 15'-0"	38	8	
15'-0" - 16'-0"	37	7	
16'-0" - 17'-0"	40	8	
17'-0" - 18'-0"	35	7	
18'-0" - 19'-0"	25	5	
19'-0" - 20'-0"	20	4	
20'-0" - 21'-0"	30	6	
21'-0" - 22'-0"	35	7	
22'-0" - 23'-0"	37	7	
23'-0" - 24'-0"	45	9	
24'-0" - 25'-0"	48	10	
25'-0" - 26'-0"	40	8	
26'-0" - 27'-0"	35	7	
27'-0" - 28'-0"	35	7	
28'-0" - 29'-0"	38	8	
29'-0" - 30'-0"	35	7	
30'-0" - 31'-0"	40	8	
31'-0" - 32'-0"	42	8	
32'-0" - 33'-0"	35	7	
33'-0" - 34'-0"	40	8	
34'-0" - 35'-0"	42	8	
35'-0" - 36'-0"	40	8	
36'-0" - 37'-0"	40	8	
37'-0" - 38'-0"	28	6	
38'-0" - 39'-0"	45	>9	Probing terminated since bedrock was encountered at 39'-0"

The water level was twenty four inches below the existing ground surface.

Probing BH5

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'-0" – 1'-0"	15	3	Undecomposed fibrous roots
1'-0" – 2'-0"	10	2	Undecomposed fibrous roots
2'-0" – 3'-0"	10	2	Undecomposed fibrous roots
3'-0" – 4'-0"	9	2	Sandy shelly mud
4'-0" – 5'-0"	10	2	
5'-0" – 6'-0"	15	3	
6'-0" – 7'-0"	20	4	
7'-0" – 8'-0"	30	6	
8'-0" – 9'-0"	35	7	
9'-0" – 10'-0"	38	8	
10'-0" – 11'-0"	35	7	
11'-0" – 12'-0"	34	7	
12'-0" – 13'-0"	28	6	
13'-0" – 14'-0"	30	6	
14'-0" – 15'-0"	33	6	
15'-0" – 16'-0"	30	6	
16'-0" – 17'-0"	35	7	
17'-0" – 18'-0"	38	8	
18'-0" – 19'-0"	40	8	
19'-0" – 20'-0"	43	8	
20'-0" – 21'-0"	37	7	
21'-0" – 22'-0"	25	5	
22'-0" – 23'-0"	25	5	
23'-0" – 24'-0"	28	6	
24'-0" – 25'-0"	30	6	
25'-0" – 26'-0"	35	7	
26'-0" – 27'-0"	36	7	
27'-0" – 28'-0"	35	6	
28'-0" – 29'-0"	40	8	
29'-0" – 30'-0"	45	9	
30'-0" – 31'-0"	40	8	
31'-0" – 32'-0"	31	6	
32'-0" – 33'-0"	30	6	
33'-0" – 34'-0"	31	6	
34'-0" – 35'-0"	35	7	
35'-0" – 36'-0"	38	8	
36'-0" – 37'-0"	40	8	
37'-0" – 38'-0"	45	9	
38'-0" – 39'-0"	40	8	
39'-0" – 40'-0"	45	9	
40'-0" – 41'-0"	45	>9	Probing terminated since bedrock was encountered at 40'-4"

The water level was twenty four inches above the existing ground surface.

Probing BH6

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'- 0'' – 1'- 0''	5	1	Undecomposed fibrous roots
1'- 0'' – 2'- 0''	5	1	Undecomposed fibrous roots
2'- 0'' – 3'- 0''	5	1	Undecomposed fibrous roots
3'- 0'' – 4'- 0''	30	6	Sandy shelly mud
4'- 0'' – 5'- 0''	35	7	
5'- 0'' – 6'- 0''	40	8	
6'- 0'' – 7'- 0''	25	5	
7'- 0'' – 8'- 0''	30	6	
8'- 0'' – 9'- 0''	20	4	
9'- 0'' – 10'- 0''	20	4	
10'- 0'' – 11'- 0''	28	6	
11'- 0'' – 12'- 0''	35	7	
12'- 0'' – 13'- 0''	25	5	
13'- 0'' – 14'- 0''	20	4	
14'- 0'' – 15'- 0''	22	4	
15'- 0'' – 16'- 0''	22	4	
16'- 0'' – 17'- 0''	20	4	
17'- 0'' – 18'- 0''	25	5	
18'- 0'' – 19'- 0''	20	4	
19'- 0'' – 20'- 0''	22	4	
20'- 0'' – 21'- 0''	30	6	
21'- 0'' – 22'- 0''	25	5	
22'- 0'' – 23'- 0''	20	4	
23'- 0'' – 24'- 0''	20	4	
24'- 0'' – 25'- 0''	25	5	
25'- 0'' – 26'- 0''	28	6	
26'- 0'' – 27'- 0''	30	6	
27'- 0'' – 28'- 0''	33	6	
28'- 0'' – 29'- 0''	34	7	
29'- 0'' – 30'- 0''	35	7	
30'- 0'' – 31'- 0''	40	8	
31'- 0'' – 32'- 0''	41	8	
32'- 0'' – 33'- 0''	47	9	
33'- 0'' – 34'- 0''	30	6	
34'- 0'' – 35'- 0''	35	7	
35'- 0'' – 36'- 0''	35	7	
36'- 0'' – 37'- 0''	40	8	
37'- 0'' – 38'- 0''	42	8	
38'- 0'' – 39'- 0''	44	9	
39'- 0'' – 40'- 0''	42	8	
40'- 0'' – 41'- 0''	45	9	
41'- 0'' – 42'- 0''	30	6	
42'- 0'' – 43'- 0''	33	6	
43'- 0'' – 44'- 0''	25	5	
44'- 0'' – 45'- 0''	28	6	
45'- 0'' – 46'- 0''	35	7	
46'- 0'' – 47'- 0''	35	7	
47'- 0'' – 48'- 0''	40	>8	Probing terminated at 47'-3'' since bedrock was encountered

The water level was fifteen inches below the existing ground surface.

Probing BH7

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0'-0" - 1'-0"	5	1	Undecomposed fibrous roots
1'-0" - 2'-0"	5	1	Undecomposed fibrous roots
2'-0" - 3'-0"	5	1	Undecomposed fibrous roots
3'-0" - 4'-0"	8	1	Sandy shelly mud
4'-0" - 5'-0"	15	3	
5'-0" - 6'-0"	20	4	
6'-0" - 7'-0"	30	6	
7'-0" - 8'-0"	35	7	
8'-0" - 9'-0"	35	7	
9'-0" - 10'-0"	40	8	
10'-0" - 11'-0"	40	8	
11'-0" - 12'-0"	35	7	
12'-0" - 13'-0"	30	6	
13'-0" - 14'-0"	30	6	
14'-0" - 15'-0"	28	6	
15'-0" - 16'-0"	25	5	
16'-0" - 17'-0"	28	6	
17'-0" - 18'-0"	25	5	
18'-0" - 19'-0"	24	5	
19'-0" - 20'-0"	20	4	
20'-0" - 21'-0"	21	4	
21'-0" - 22'-0"	20	4	
22'-0" - 23'-0"	20	4	
23'-0" - 24'-0"	21	4	
24'-0" - 25'-0"	22	4	
25'-0" - 26'-0"	25	5	
26'-0" - 27'-0"	28	6	
27'-0" - 28'-0"	29	6	
28'-0" - 29'-0"	30	6	
29'-0" - 30'-0"	19	4	
30'-0" - 31'-0"	22	2	
31'-0" - 32'-0"	20	4	
32'-0" - 33'-0"	24	5	
33'-0" - 34'-0"	30	6	
34'-0" - 35'-0"	20	4	
35'-0" - 36'-0"	25	5	
36'-0" - 37'-0"	20	4	
37'-0" - 38'-0"	20	4	
38'-0" - 39'-0"	22	4	
39'-0" - 40'-0"	28	6	
40'-0" - 41'-0"	30	6	
41'-0" - 42'-0"	32	6	
42'-0" - 43'-0"	30	6	
43'-0" - 44'-0"	25	5	
44'-0" - 45'-0"	26	5	
45'-0" - 46'-0"	28	6	
46'-0" - 47'-0"	30	6	
47'-0" - 48'-0"	35	7	
48'-0" - 49'-0"	40	>8	Probing terminated since bedrock was encountered at 48'-1"

The water level was twenty inches below the existing ground surface.

Probing BH8

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0' - 0" – 1' - 0"	6	1	Undecomposed fibrous roots
1' - 0" – 2' - 0"	5	1	decomposed fibrous roots
2' - 0" – 3' - 0"	6	1	decomposed fibrous roots
3' - 0" – 4' - 0"	8	1	Sandy shelly mud
4' - 0" – 5' - 0"	12	3	
5' - 0" – 6' - 0"	30	6	
6' - 0" – 7' - 0"	20	4	
7' - 0" – 8' - 0"	15	3	
8' - 0" – 9' - 0"	15	3	
9' - 0" – 10' - 0"	35	7	
10' - 0" – 11' - 0"	30	6	
11' - 0" – 12' - 0"	35	7	
12' - 0" – 13' - 0"	38	8	
13' - 0" – 14' - 0"	40	8	
14' - 0" – 15' - 0"	41	8	
15' - 0" – 16' - 0"	30	6	
16' - 0" – 17' - 0"	28	6	
17' - 0" – 18' - 0"	30	6	
18' - 0" – 19' - 0"	24	5	
19' - 0" – 20' - 0"	25	5	
20' - 0" – 21' - 0"	20	4	
21' - 0" – 22' - 0"	18	4	
22' - 0" – 23' - 0"	15	3	
23' - 0" – 24' - 0"	18	4	
24' - 0" – 25' - 0"	20	4	
25' - 0" – 26' - 0"	22	4	
26' - 0" – 27' - 0"	20	4	
27' - 0" – 28' - 0"	28	6	
28' - 0" – 29' - 0"	20	4	
29' - 0" – 30' - 0"	20	4	
30' - 0" – 31' - 0"	24	5	
31' - 0" – 32' - 0"	25	5	
32' - 0" – 33' - 0"	24	5	
33' - 0" – 34' - 0"	25	5	
34' - 0" – 35' - 0"	25	5	
35' - 0" – 36' - 0"	25	5	
36' - 0" – 37' - 0"	25	5	
37' - 0" – 38' - 0"	22	4	
38' - 0" – 39' - 0"	25	5	
39' - 0" – 40' - 0"	30	6	
40' - 0" – 41' - 0"	30	6	
41' - 0" – 42' - 0"	35	7	
42' - 0" – 43' - 0"	35	>7	Probing terminated at 42'-3" since bedrock was encountered

The water level was twenty inches below the existing ground surface.

Probing BH9

Depth	Blows/foot	Correlated S.P.T. (N) value	Remarks
0' - 0" - 1' - 0"	5	1	Undecomposed fibrous roots
1' - 0" - 2' - 0"	5	1	Undecomposed fibrous roots
2' - 0" - 3' - 0"	5	1	Undecomposed fibrous roots
3' - 0" - 4' - 0"	5	1	Sandy shelly mud
4' - 0" - 5' - 0"	10	2	
5' - 0" - 6' - 0"	10	2	
6' - 0" - 7' - 0"	12	2	
7' - 0" - 8' - 0"	10	2	
8' - 0" - 9' - 0"	10	2	
9' - 0" - 10' - 0"	10	2	
10' - 0" - 11' - 0"	12	2	
11' - 0" - 12' - 0"	10	2	
12' - 0" - 13' - 0"	15	3	
13' - 0" - 14' - 0"	10	2	
14' - 0" - 15' - 0"	12	2	
15' - 0" - 16' - 0"	10	2	
16' - 0" - 17' - 0"	8	1	
17' - 0" - 18' - 0"	10	2	
18' - 0" - 19' - 0"	10	2	
19' - 0" - 20' - 0"	10	2	
20' - 0" - 21' - 0"	12	2	
21' - 0" - 22' - 0"	12	2	
22' - 0" - 23' - 0"	10	2	
23' - 0" - 24' - 0"	10	2	
24' - 0" - 25' - 0"	12	2	
25' - 0" - 26' - 0"	15	3	
26' - 0" - 27' - 0"	10	2	
27' - 0" - 28' - 0"	12	2	
28' - 0" - 29' - 0"	12	2	
29' - 0" - 30' - 0"	10	2	
30' - 0" - 31' - 0"	10	2	
31' - 0" - 32' - 0"	12	2	
32' - 0" - 33' - 0"	12	2	
33' - 0" - 34' - 0"	15	3	
34' - 0" - 35' - 0"	15	3	
35' - 0" - 36' - 0"	18	4	
36' - 0" - 37' - 0"	20	4	
37' - 0" - 38' - 0"	30	>6	Probing terminated at 37'-1" since bedrock was encountered

The water level was twenty four inches above the existing ground surface.

Appendix II: Plates



Plate No. 1: Probe at BH1



Plate No. 2: Probe at BH2



Plate No. 3: Probe hole at BH4



Plate No. 4: Probe at BH8