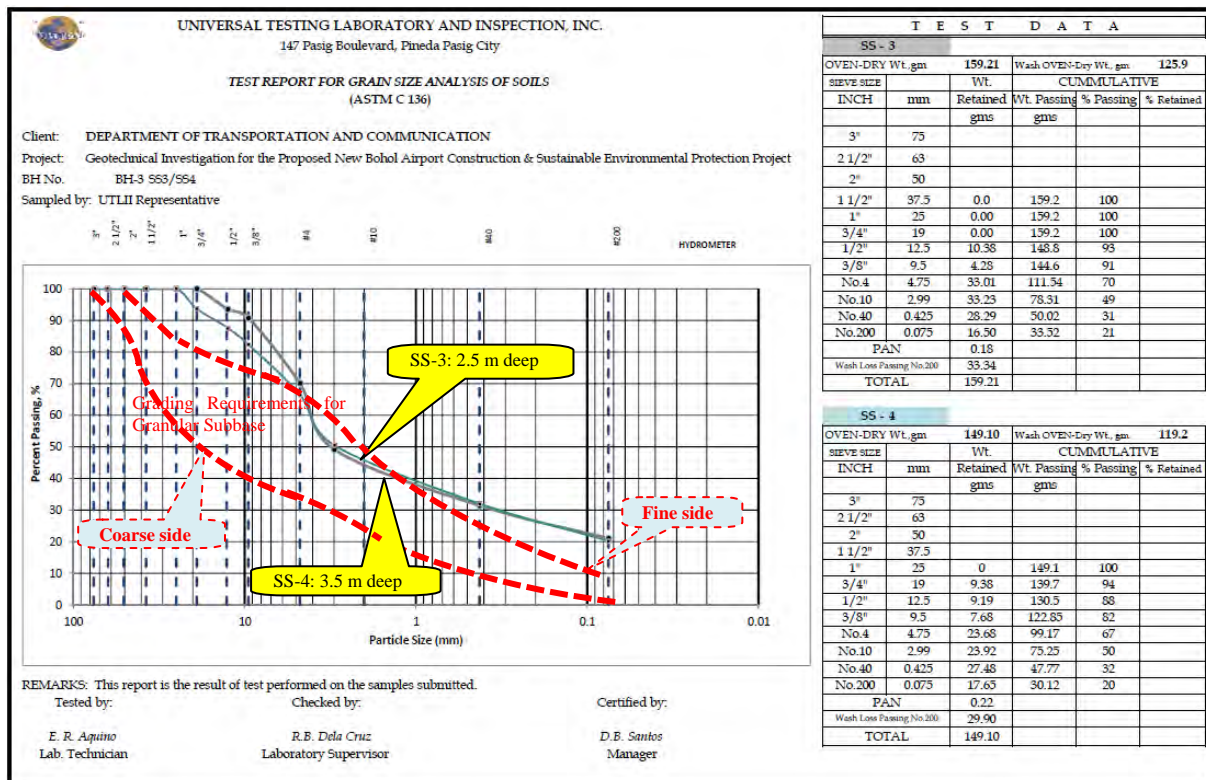
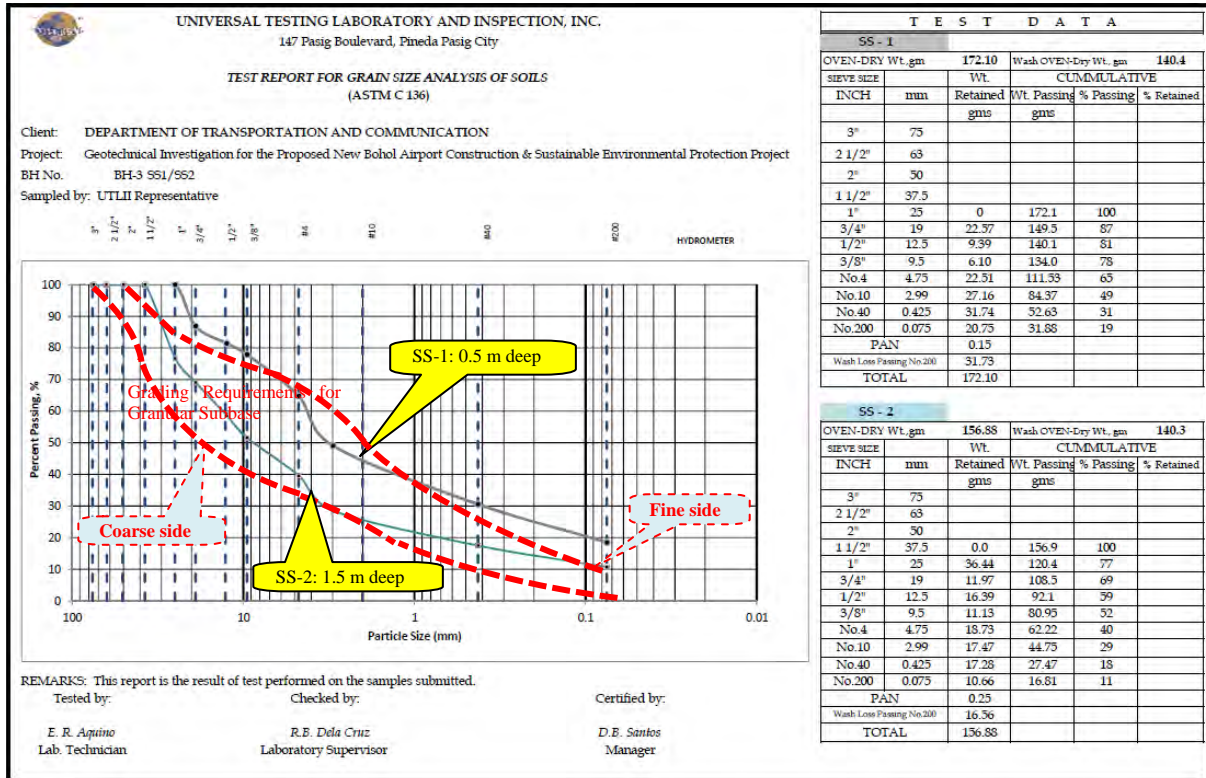


Borehole BH-3 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

No fine topsoil exists. No large cavity exists. N-value drops to 10 at 5-m deep.

Natural soil at surface (subgrade level) generally meets gradation of granular subbase course when blending with small amount of crashed limestone fragment.



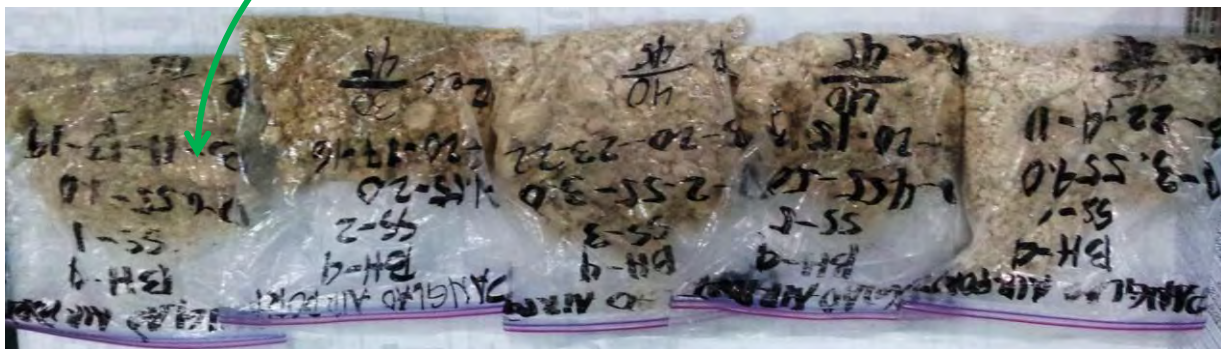
Borehole BH-4 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

Existing Grade: 8.3 m Finished Grade: 9.2 m Subgrade Elevation: 8.2 m Cut height: 0.1 m



FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS																							
PROJECT:		Geotechnical Investigation for the Proposed New Bohol Airport Construction & Sustainable Environmental Protection Project						HOLE NO.:		BH-4													
LOCATION:		Panglao, Bohol						DEPTH:		5.0 m													
DATE DRILLED:		2/26/2013		DATE FINISHED:		2/26/2013		WATER TABLE:				DWT											
DEPTH, m	SAMPLE NUMBER	% RECOVERY	% RQD	SAMPLE TYPE	LOG SYMBOL	UNIFIED CLASSIFICATION	DESCRIPTION	N-VALUES			MOISTURE CONTENT	ATTERBERG LIMITS		SIEVE ANALYSIS % PASSING SIEVE NO.									
								SPT	GRAPH			LL (%)	PI (%)	110	100	75	60	40	20	15	7.5	4.75	
							Ground Surface	15 cm	15 cm	15 cm													
1	1	44	-	SS	SS	GM	Light brown, very dense silty gravel with sand (broken corals with limestone) of no plasticity	29	27	46	8.42	NP	NP	100	75	54	37	28	21	16			
2	2	67	-	SS	SS	GM	Light brown, very dense silty gravel with sand (broken corals with limestone) of no plasticity	30	27	48	9.07	NP	NP	100	88	76	64	49	37	26	20		
3	3	67	-	SS	SS	GW	Light brown, very dense swell graded gravel with sand (broken corals with limestone) of no plasticity	31	28	53	10.05	NP	NP	100	74	49	42	34	27	14	5		
4	4	44	-	SS	SS	GP-GM	Light brown, very dense poorly graded gravel with silt and sand (broken corals with limestone) of no plasticity	25	31	29	10.72	NP	NP	100	54	81	62	46	35	13	7		
5	5	67	-	SS	SS	GP-GM	Light brown, very dense poorly graded gravel with silt and sand (broken corals with limestone) of no plasticity	29	38	46	10.47	NP	NP	100	75	62	46	36	20	7			
END OF BOREHOLE																							

Pictures of disturbed soil samples



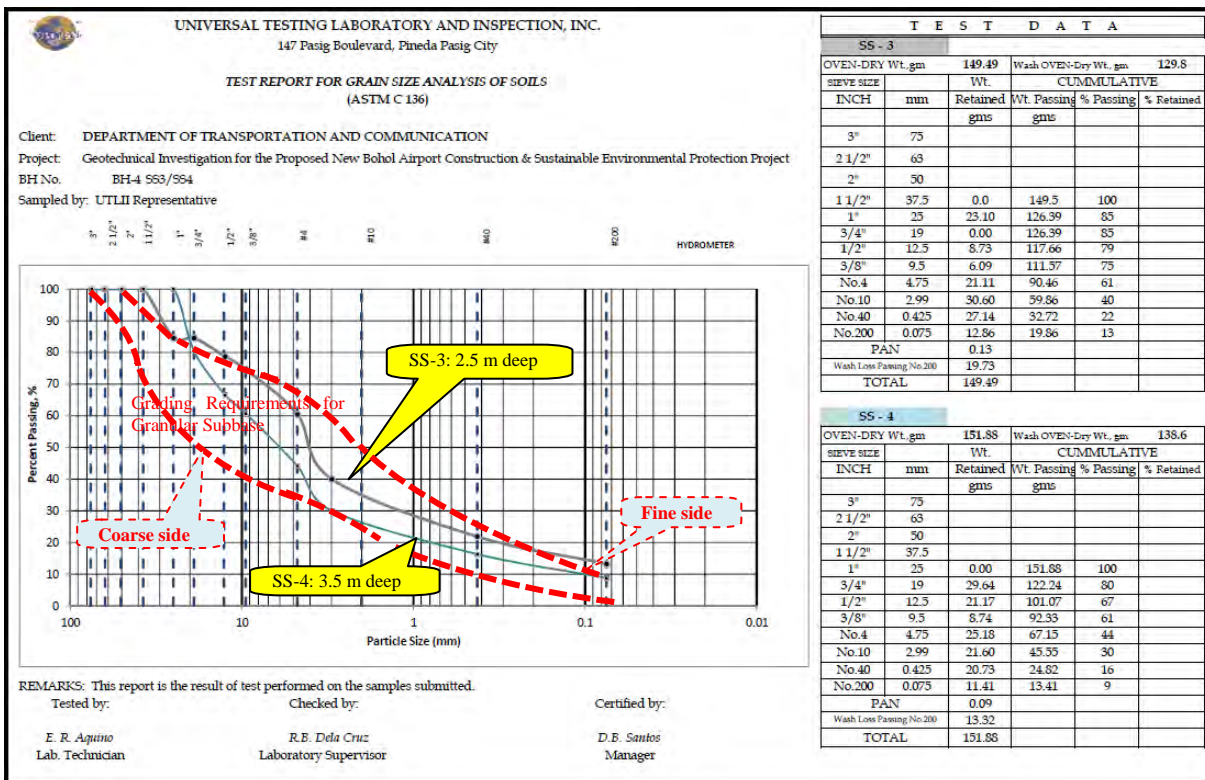
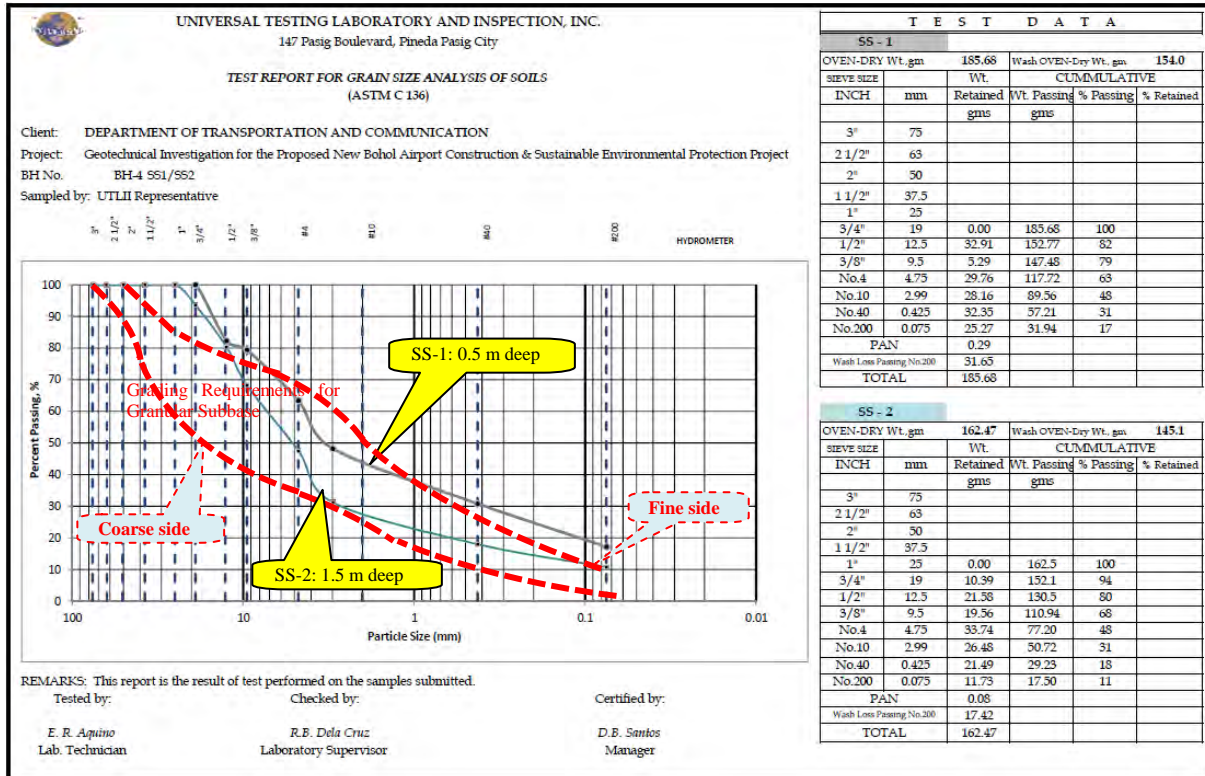
Moisture contents of disturbed soil samples

Location	SS1	SS2	SS3	SS4	SS5
Can Number	1	2	3	4	5
Weight of can & wet soil, g.	230.81	203.75	186.92	185.08	184.13
Weight of can & dry soil, g.	211.12	188.29	175.05	177.59	167.65
Weight of water, g.	19.69	15.46	11.87	7.49	16.48
Weight of can, g.	25.44	25.82	25.56	25.71	17.29
Weight of dry soil, g.	185.68	162.47	149.49	151.88	150.36
Moisture Content, %	10.60	9.52	7.94	4.93	10.96

Borehole BH-4 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

No fine topsoil exists. No large cavity exists.

Natural soil at subgrade level generally meets gradation of granular subbase course when blending with small amount of crashed limestone fragment.



Borehole BH-5 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

Existing Grade: 9.0 m Finished Grade: 8.8 m Subgrade Elevation: 7.8 m Cut height: 1.2 m



FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS																												
PROJECT:		Geotechnical Investigation for the Proposed New Bohol Airport Construction & Sustainable Environmental Protection Project								HOLE NO.:		BH-5																
LOCATION:		Panglao, Bohol								DEPTH:		5.0 m																
DATE DRILLED:		2/23/2013		DATE FINISHED:		2/23/2013		WATER TABLE:		DWT																		
DEPTH, m	SAMPLE NUMBER	% RECOVERY	% ROD	SAMPLE TYPE	LOG SYMBOL	UNIFIED CLASSIFICATION	DESCRIPTION	N-VALUES				MOISTURE CONTENT	ATTERBERG LIMITS		SIEVE ANALYSIS % PASSING SIEVE NO.													
								SPT			GRAPH		LL (%)	PI (%)	1 1/2	1	3/8	1/2	3/8	4	10	40	200					
								15 cm	15 cm	15 cm																		
							Ground Surface																					
1	1	100	-	SS	GM		Light brown, very dense silty gravel with sand (broken corals with limestone) of no plasticity	19	30	28	25.93	NP	NP	100	92	90	84	70	61	54	48							
1	2	78	-	SS	GP-GM		Light brown, dense poorly graded gravel with sand (broken corals with limestone) of no plasticity	12	15	17	9.49	NP	NP	100	86	70	61	42	27	16	9	7						
2	3	56	-	SS	GP-GM		Light brown, dense poorly graded gravel with sand (broken corals with limestone) of no plasticity	25	17	18	7.98+	NP	NP	100	80	64	49	40	30	20	11	6						
3	4	56	-	SS	GP-GM		Light brown, dense poorly graded gravel with sand (broken corals with limestone) of no plasticity	49	25	19	8.94	NP	NP	100	81	81	63	56	43	29	17	11						
4	5	56	-	SS	GP-GM		Light brown, medium dense poorly graded gravel with sand (broken corals with limestone) of no plasticity	25	13	14	10.51	NP	NP	100	87	80	65	58	44	31	17	11						
								END OF BOREHOLE																				

Pictures of disturbed soil samples



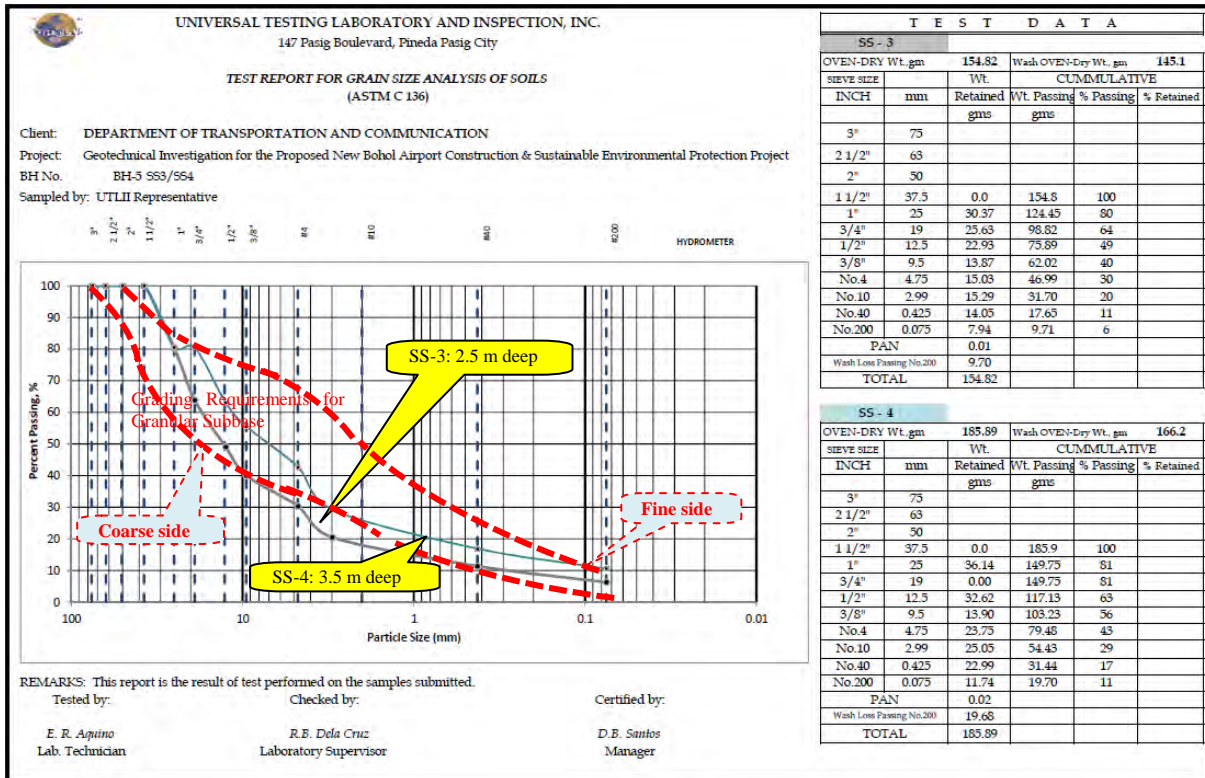
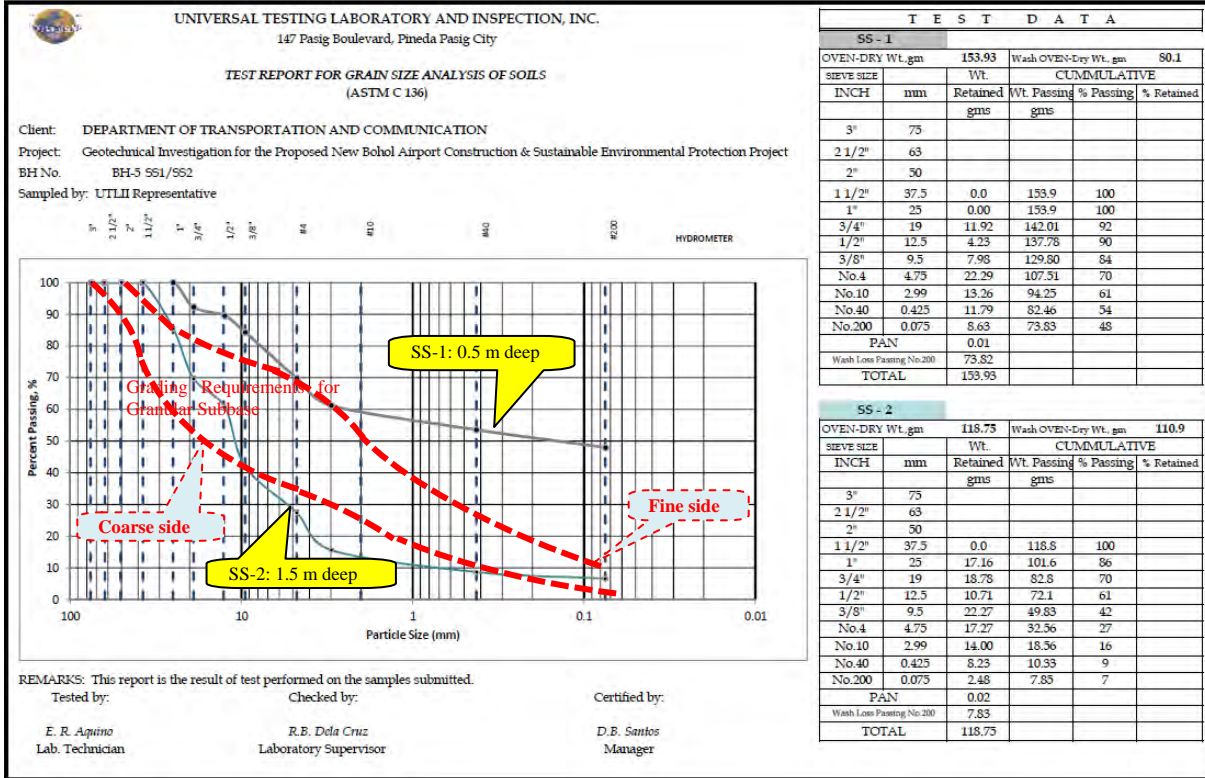
Moisture contents of disturbed soil samples

Location	SS1	SS2	SS3	SS4	SS5
Can Number	1	2	3	4	5
Weight of can & wet soil, g.	219.33	155.91	192.94	227.99	198.51
Weight of can & dry soil, g.	179.42	144.64	180.58	211.37	181.26
Weight of water, g.	39.91	11.27	12.36	16.62	17.25
Weight of can, g.	25.49	25.89	25.68	25.48	17.11
Weight of dry soil, g.	153.93	118.75	154.90	185.89	164.15
Moisture Content, %	25.93	9.49	7.98	8.94	10.51

Borehole BH-5 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

Fine topsoil exists. No large cavity exists.

Natural soil at subgrade level (1.2 m deep) is dense (N-value > 30) but porous. It generally meets gradation of granular subbase course when blending with crashed limestone fragment.



Borehole BH-6 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

Existing Grade: 7.4 m Finished Grade: 8.5 m Subgrade Elevation: 7.5 m Fill height: 0.1 m



FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS																														
PROJECT: Geotechnical Investigation for the Proposed New Bohol Airport Construction & Sustainable Environmental Protection Project												HOLE NO.: BH-6																		
LOCATION: Panglao, Bohol												DEPTH: 5.0 m																		
DATE DRILLED: 3/2/2013			DATE FINISHED: 3/2/2013			WATER TABLE: DWT																								
DEPTH, m	SAMPLE NUMBER	% RECOVERY	% ROD	SAMPLE TYPE LOG SYMBOL	UNIFIED CLASSIFICATION	DESCRIPTION	N-VALUES					MOISTURE CONTENT	ATTERBERG LIMITS		SIEVE ANALYSIS % PASSING SIEVE NO.															
							SPT			GRAPH			LL (%)	PI (%)	1 1/2	1	3/8	1/2	3/8	4	10	40	200							
						Ground Surface	15 cm	15 cm	15 cm	Subgrade Fill 0.1m																				
1	1	56	-	SS	GM	Brown, very dense silty gravel with sand (broken corals with limestone) of no plasticity	29	33	37				11.75	NP	NP				100	76	70	54	44	34	24					
2	2	44	-	SS	GM	Brown, very dense silty gravel with sand (broken corals with limestone) of no plasticity	29	30	38				8.75	NP	NP				100	61	58	49	40	27	15					
3	3	67	-	SS	GM	Brown, very dense silty gravel with sand (broken corals with limestone) of no plasticity	30	30	49				17.65	NP	NP	100	63	63	60	58	45	40	26	13						
4	4	44	-	SS	GP-GM	Brown, very dense poorly graded gravel with silt and sand (broken corals with limestone) of no plasticity	20	30	42				10.19	NP	NP	100	62	62	49	46	36	28	20	10						
5	5	44	-	SS	GP-GM	Brown, very dense poorly graded gravel with silt and sand (broken corals with limestone) of no plasticity	30	39	46				8.53	NP	NP	100	89	68	58	49	41	34	23	12						
END OF BOREHOLE																														

Pictures of disturbed soil samples



Moisture contents of disturbed soil samples

Location	SS1	SS2	SS3	SS4	SS5
Can Number	1	2	3	4	5
Weight of can & wet soil, g.	168.84	122.82	142.75	120.77	136.57
Weight of can & dry soil, g.	152.89	114.46	124.13	111.17	127.22
Weight of water, g.	15.95	8.36	18.62	9.60	9.35
Weight of can, g.	17.10	18.88	18.62	16.95	17.56
Weight of dry soil, g.	135.79	95.58	105.51	94.22	109.66
Moisture Content, %	11.75	8.75	17.65	10.19	8.53

Borehole BH-6 – Access Road (Pavement Thickness: 0.5 m + Subgrade: 0.5 m)

No fine topsoil exists. No large cavity exists.

Natural soil at surface generally meets gradation of granular subbase course when blending with small amount of crashed limestone fragment.

