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537-9971



To: Mr. Albert C. Zane
Chief Engineer
City & County of Honolulu
City Hall
Honolulu, Hawaii

Date: July 2, 1969

Gentlemen:

Re: Pearl City Shopping Center
Grading Plans

We Are Sending You Herewith X Under Separate Cover _____

No. of Copies	Dated	Description or Remarks
1 set		of the above
1		soils report

For: Your Information and Use _____

As Requested _____

Review and Comment _____

Approval _____

Signature X _____

Remarks: Plans have been revised according to comments by Division of Engineering. Also attached is a Report on Pearl City Shopping Center Borings & Soil Tests.

Yours truly,

By *W.K. Ende* _____

PEARL CITY SHOPPING CENTER

TABLE I A - SUMMARY OF LABORATORY TEST RESULTS

BORING NO.	1		1		1
SAMPLE NO.			B		C
DEPTH BELOW SURFACE	SURFACE		2.0' TO 3.8'		6.0' TO 6.3'
DESCRIPTION	MEDIUM REDDISH BROWN CLAYEY SILT		GRAY SANDY DECOMPO ROCK		
GRADING ANALYSIS					
(% Passing)					
Sieve					
1"					
1/2"					
#4					
#10					
#20					
#40					
#100					
#200					
ATTERBERG LIMITS					
Liquid Limit	50		59		34
Plastic Limit	23		39		26
Plasticity Index	27		20		8
SPECIFIC GRAVITY					
EXPANSION TEST					
Swell upon saturation, % (Surcharge-51 P.S.F.)	2.0				
CBR at 0.1" Penetration (%) (Surcharge-51 P.S.F.)	15.0				
COMPACTION TEST					
(AASHTO METHOD T-180-57)					
Max. Dry Density (P.C.F.)					
Optimum Moist. (%)					
UNIFIED SOIL CLASSIFICATION	MH		MH		ML

PEARL CITY SHOPPING CENTER.

TABLE I B - SUMMARY OF LABORATORY TEST RESULTS

BORING NO.	2		3		4
SAMPLE NO.	A				
DEPTH BELOW SURFACE	0.0 to 1.5'		SURFACE		SURFACE
DESCRIPTION	MEDIUM REDDISH BROWN CLAYEY SILT WITH GRAVEL OR BOULDERS		REDDISH-BROWN CLAYEY SILT		REDDISH-BROWN CLAYEY SILT
GRADING ANALYSIS (% Passing)					
Sieve					
1"					
½"					
#4					
#10					
#20					
#40					
#100					
#200					
ATTERBERG LIMITS					
Liquid Limit	71		40		48
Plastic Limit	31		27		28
Plasticity Index	40		13		20
SPECIFIC GRAVITY					
EXPANSION TEST					
Swell upon saturation, % (Surcharge-51 P.S.F.)			14		
CBR at 0.1" Penetration (%) (Surcharge-51 P.S.F.)			9.7		
COMPACTION TEST (AASHTO METHOD T-180-57)					
Max. Dry Density (P.C.F.)					
Optimum Moist. (%)					
UNIFIED SOIL CLASSIFICATION	MH		ML		ML

WALTER LUM ASSOCIATES
CIVIL, STRUCTURAL, SOILS ENGINEERS

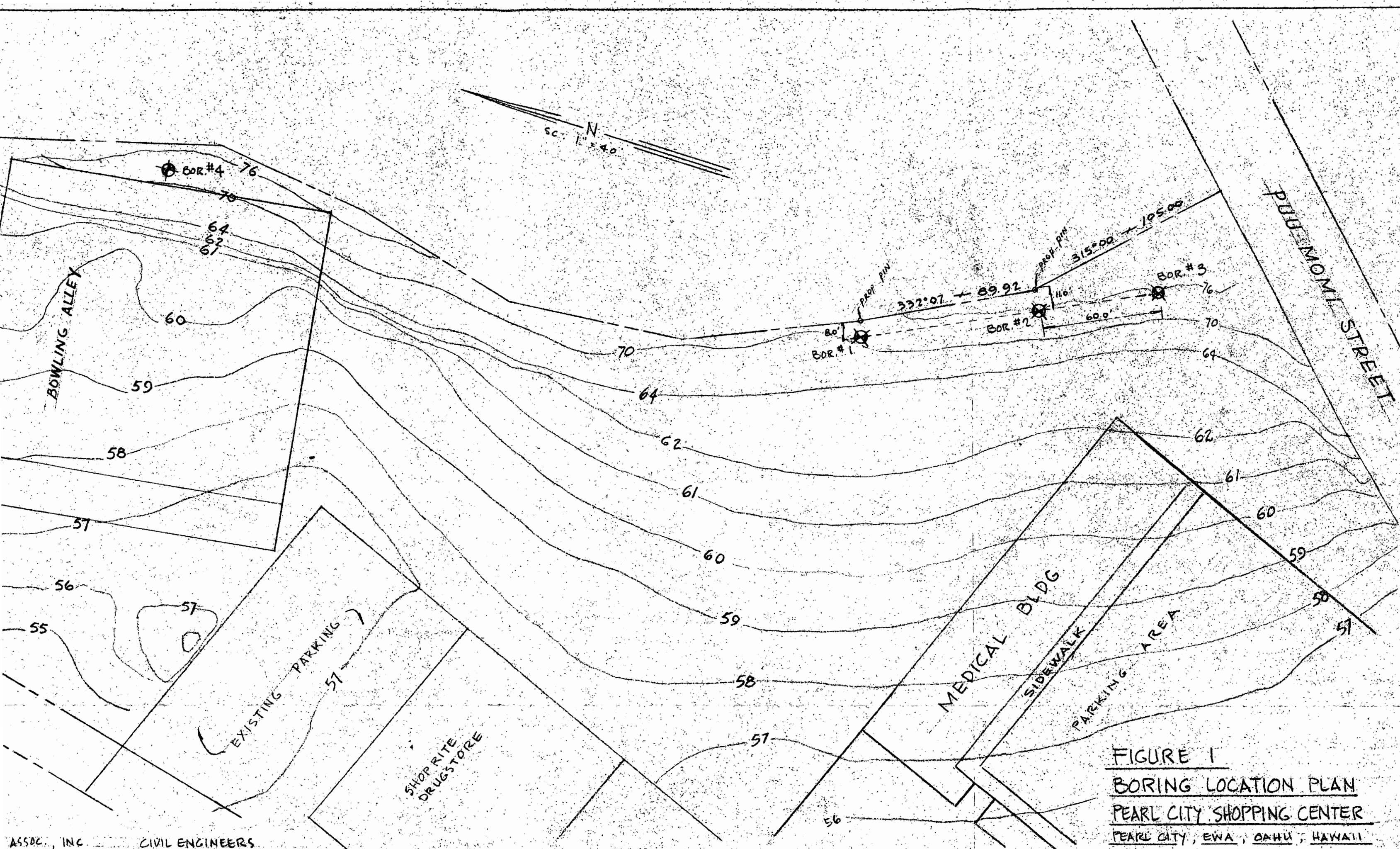


FIGURE 1
BORING LOCATION PLAN
PEARL CITY SHOPPING CENTER
PEARL CITY, EWA, OAHU, HAWAII