- [ ] City box number A-2
- [x] Title/cover page w/the following info:
  - [x] Company (author) name
  - [x] Report Date 1948
  - [x] Project name
  - [x] Company's job number
  - [x] City DCLU project number (7-digit number)
  - [ ] City Permit number (6-digit number)
  - [ ] Kroll map index number (3-digit number, w?/E,W,N,S)
  - [ ] Green label
  - [ ] Site address (may be on 1st or 2nd page of text)
- [ ] Executive Summary and associated figures
- [ ] Table of Contents
- [x] Project Location Plan/Map or Vicinity Map
- [x] Site Plans, Boring Location Plans, or Exploration Plans
- [ ] Survey
- [ ] Geologic Maps
- [ ] Cross Sections/Subsurface Profiles
- [ ] Fill or Peat Thickness Maps and Contour Maps
- [x] Boring Logs
- [ ] Geology Text (if no logs)
- [ ] Soil Classification Key/Boring Log Key
- [ ] Probe Logs
- [ ] Test Pit Logs
- [ ] Monitoring Well Logs
- [ ] Cone Penetrometer Logs
- [ ] Shear Wave Velocity Measurements
- [ ] Groundwater Maps
- [ ] GW Elevation Tables/Data
- [ ] Soils Lab Testing (Geotechnical) Summary Tables
  - [ ] Grain Size Analyses/Hydrometer Analyses
  - [ ] Atterberg Limits
  - [ ] Strength tests: Triaxial, Unconfined, Direct Shear
  - [ ] Organic Content
  - [ ] ^{14}C or Radiocarbon Testing
  - [ ] Other_____
- [ ] Soil Chemical Analytical Testing Summary Tables
- [ ] Water/Groundwater Chemical Analytical Summary Tables
- [ ] Comments_____

_____

- [ ] Date Copied 2/1/16, By

9/99

PRELIMINARY GEOTECHNICAL ENGINEERING STUDY

ANDERSON ALKI RESIDENCE

3103 ALKI ANVENUE SW

SEATTLE, WASHINGTON

L&A Job No. 6107

3 Geotech rpt. rec'd. in P.R. 2 in O/S File

Date: October 14, 1996

Prepared for:

Mr. Ross Anderson
Anderson Construction
3835 West Marginal Way SW
Seattle, Washington 98106

By:

Liu & Associates
19213 Kenlake Place Northeast
Seattle, Washington 98155-3242

42

6937 13 12

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9700942

August 1, 1997

1948

Mr. Ross Anderson
Anderson Construction
3835 West Marginal Way SW
Seattle, WA 98106

RECEIVED
AUG 0 8 1997
Dept. of Construction & Land Use

Dear Mr. Anderson:

Subject: Addendum to L&A 10/14/96 Geotechnical Report
Proposed Anderson Alki Residence
3103 Alki Avenue SW
Seattle, Washington
L&A Job No. 6107

3103 Alki Av SW

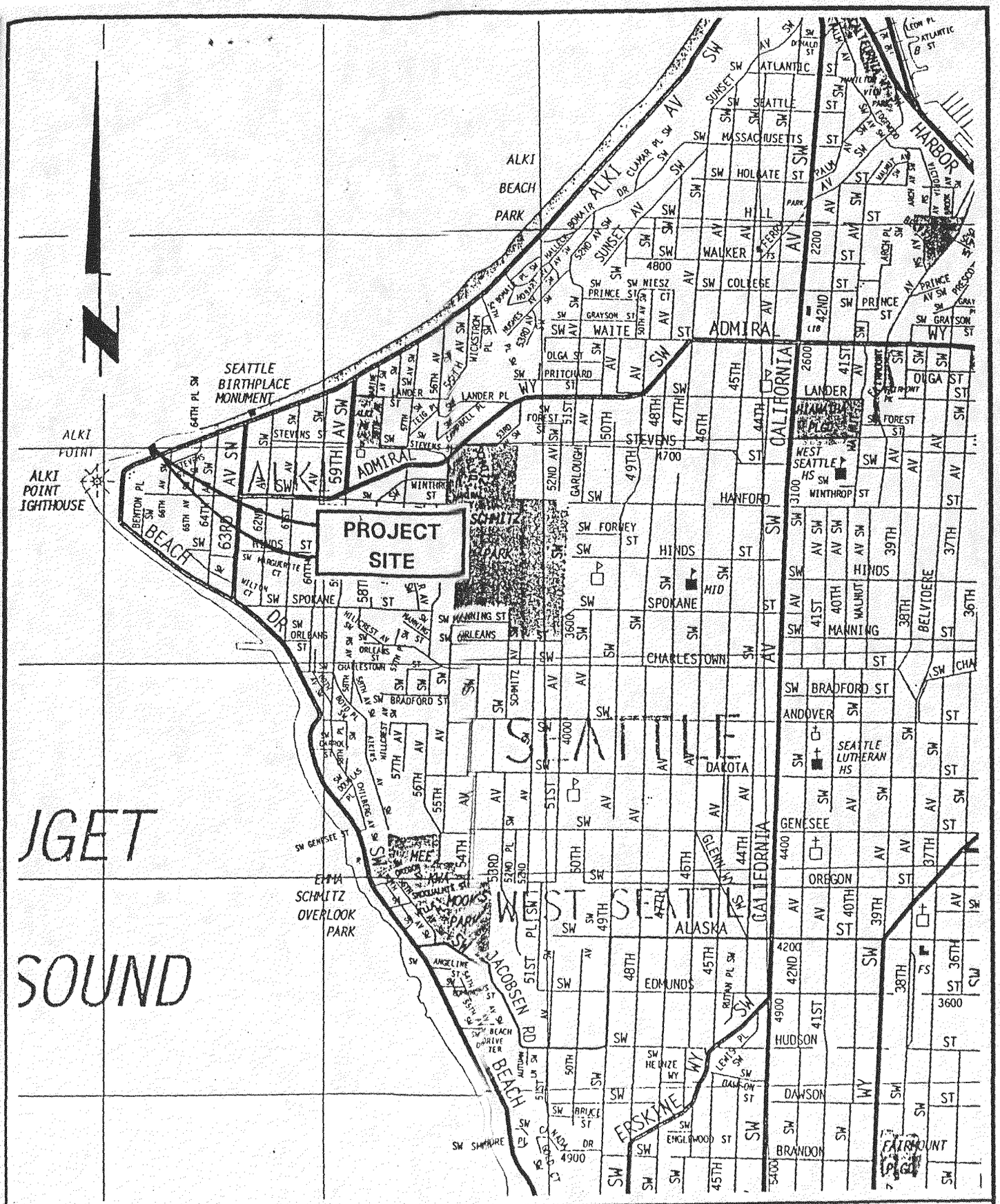
INTRODUCTION

One test boring, B-1, was drilled adjacent to the project site to explore the subsurface conditions of the site. The purpose of this test boring is characterize the conditions of the soils at the site and to evaluate the liquefaction potential of the site, and provide recommendations for the design of pin piles to be used for supporting the proposed residential building.

As shown on attached Plate 1- Site Plan, the test boring was drilled on the adjacent lot adjoining the west side of the subject lot,. at a location 12 feet east and two feet north of the southeast corner of the proposed building. This was because the subject lot has been excavated and trenched down to its footing level, with pin piles partially installed, which denied the drill rig the access to the subject lot. The test boring was drilled to a total depth of 56.5 feet on July 30 and 31, 1997, by Geotechnical Exploration with a CME 850 track-mounted drill rig using mud rotary method.

SUBSURFACE CONDITIONS

The ground level at the boring location is surveyed at Elev. 2.4 feet. A 6-foot layer of fill that included wood fragment and concrete rubble was found covering the site. Underlying the fill is Beach Deposits of sandy gravel to gravelly sand from about 6 to 26 feet. The upper portion of the Beach Deposits is loose, but becomes dense with increasing depth. The boring hole in the Beach Deposits caved severely from 6 to 16 feet during drilling due to high gravel content, and became too disturbed to be sampled. Below the



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VICINITY MAP
ANDERSON ALKI RESIDENCE
3103 ALKI AVENUE SW
SEATTLE, WASHINGTON

JOB NO. 6107	DATE 10/7/96	PLATE 1

1" = 10'

WATER EDGE 1/25/96
1130 AM

EXISTING CONCRETE SEAWALL

EXISTING ROCK SEAWALL

CONCRETE SLAB PATIO

LOG

SHORELINE DECK SETBACK LINE

SHORELINE STRUCTURE SETBACK LINE

DECK ABOVE

8' 8"

DECK

2'

3' 6"

2' 6"

8' 2"

8' 8"

8' 2"

CHIMNEY

CHIMNEY

EXISTING HOUSE TO BE DEMOLISHED

NEW SINGLE FAMILY RESIDENCE #3103

44' 0"

55' 0"

N 21 50 11 W

RIDGE

EAVE LINE

EAVE LINE

5' 0"

25' 9"

5' 0"

SIDE YARD

SIDE YARD

EXISTING HOUSE TO BE DEMOLISHED

3' 6"

5' 8"

ELEVATED ENTRY WALKWAY

FINISH ELEV 30'

NEW CONCRETE RETAINING WALL

COVERED SWIMING POOL

NEW CONCRETE RETAINING WALL

15' 9"

3' 6"

15' 9"

8'

PARKING AREA (ELEV 12.0')

WOOD TRELLIS

NEW CONCRETE RETAINING WALL

PL

35.0

S 86 09 49 W

10'

12'

EXISTING STAIR &

EXISTING CONCRETE RETAINING WALL

EXISTING CONDOMINIUM #3121

32

11' 6 5/16"

39'

DECK

9'

EXISTING HOUSE TO BE DEMOLISHED UNDER SEPARATE PERMIT. LOT TO BE VACANT.

HOUSE #3095

B-1

SHED

VACATED PORTION OF 21ST AVE SW

ALKI AVE. SW

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SITE PLAN
ANDERSON ALKI RESIDENCE
3103 ALKI AVENUE SW
SEATTLE, WASHINGTON

JOB NO. 6107 DATE

BORING NO. 1

ogged By: GCS Date: 7/30 - 7/31, 1997 Ground Elev. +2.4'

Depth ft.	USCS	Soil Description	Sample Type	Sample No.	(N) Blows/ ft.	W %	Other Test
		Gray, medium dense, gravelly, fine to medium SAND with silt, wood fragments and concrete chunks, moist (FILL)					
5		- Becomes dense	SS3	1	38		
		Brown-gray, loose, stratified, fine GRAVEL to sandy GRAVEL with little or no fines. moist to wet. Gravel subrounded to rounded. (BEACH DEPOSITS)					
		NOTE: Hole caving beteen 6 and 16 ft. Drills hard, indicating high gravel content.					
10		- Gravel becomes coarser					
		- Gravel becomes finer and sandier					
15			SS3	2	31		
		Gray, medium dense, sandy fine GRAVEL to gravelly, fine to medium SAND, with silt, wet. Gravel subrounded (BEACH DEPOSITS)					
		- Becomes siltier					
20			SS3	3	21		
25			SS	4	29		
		Dark gray to gray, dense, gravelly fine to medium SAND, wet (ESPERANCE SAND)					
30							

LEGEND: SS - 2" O.D., Standard Split-Spoon Sample
SS3- 3" O.D. Split-Spoon Sample
ST - 3" O.D. Shelby-Tube Sample

GROUNDWATER: Water Level

Seal

Observation Well Tip

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BORING LOG
ANDERSON ALKI RESIDENCE
103 ALKI AVENUE SW
SEATTLE, WASINGTON

JOB NO. 6107 | DATE 8/1/97 | PLATE 2

BORING NO. 1 (Continued)

ogged By: GCS Date: 7/30 - 7/31, 1997 Ground Elev. +2.4'

Depth ft.	USCS	Soil Description	Sample Type	Sample No.	(N) Blows/ ft.	W %	Other Test
		Dark gray to gray, dense, gravelly fine to medium SAND, wet (ESPERANCE SAND)	SS	5	33		
35			SS	6	40		
40		- Grades to gravelly SAND, with occasional lenses of grayish green, dense, sandy GRAVEL	SS	7	45		
		- Becomes siltier with coarser gravel					
45			SS	8	39		
		Brown-gray, very dense, slightly moist, clayey SILT with fine sand, and gray, wet, very dense, sandy GRAVEL (LAWTON CLAY)					
50			SS	9	67		
		- Becomes siltier					
		- Grades to brown-gray, very dense, clayey SILT with sand, slightly moist					
55			SS	10	57		
		Test boring terminated at 56.5 ft.					
60							

LEGEND: SS - 2" O.D., Standard Split-Spoon Sample
SS3- 3" O.D. Split-Spoon Sample
ST - 3" O.D. Shelby-Tube Sample

GROUNDWATER: Water Level

Seal

Observation Well Tip

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BORING LOG
ANDERSON ALKI RESIDENCE
103 ALKI AVENUE SW
SEATTLE, WASINGTON

JOB NO. 6107 | DATE 8/1/97 | PLATE 2A