

- City box number 4-1
- Title/cover page w/the following info:
 - Company (author) name
 - Report Date
 - Project name
 - Company's job number
 - 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)

1003

- Executive Summary and associated figures
- Table of Contents
- Project Location Plan/Map or Vicinity Map
- Site Plans, Boring Location Plans, or Exploration Plans
- Survey
- Geologic Maps
- Cross Sections/Subsurface Profiles
- Fill or Peat Thickness Maps and Contour Maps
- 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
 - ¹⁴C or Radiocarbon Testing
 - Other _____
- Soil Chemical Analytical Testing Summary Tables
- Water/Groundwater Chemical Analytical Summary Tables
- Comments _____

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1177 FAIRVIEW AV E

PRELIMINARY SUBSURFACE EXPLORATION
AND
GEOTECHNICAL ENGINEERING REPORT
PROPOSED CRAZY LOBSTER RESTAURANT SITE
FAIRVIEW AVENUE EAST - SEATTLE, WASHINGTON

RITTENHOUSE-ZEMAN & ASSOCIATES

W-3977

Geotechnical Consultants



RITTENHOUSE-ZEMAN & ASSOCIATES, INC.
GEOLOGY & SOILS ENGINEERING

13837 N.E. 8th Street, Bellevue, Washington 98005 (206) 746-8020

8050 S.W. Cirrus Drive, Beaverton, Oregon 97005 (503) 644-9141

15 April 1983

W-3977

Pan-Terra, Inc.
51 West Dayton
Edmonds, Washington 98020

Attention: Mr. Mitchell F. Williams

Subject: Preliminary Subsurface Exploration and
Geotechnical Engineering Report
Proposed Crazy Lobster Restaurant Site
Fairview Avenue East - Seattle, Washington

Gentlemen:

We are pleased to present herein a copy of the above referenced report. This report presents the results of our preliminary subsurface exploration and geotechnical engineering studies relative to the foundation and construction considerations for the proposed development.

Our field exploration disclosed soft to medium stiff, clayey, sandy silt (fill), with organics, wood, bricks, concrete, asphalt and other debris down to the bottom of our explorations at 10 to 11.5 feet. This stratum is overlain in places by 1 to 2 feet of loose to medium dense, clean to trace silty sand. The site could be developed for a restaurant with parking, utilizing lightly loaded conventional shallow foundation support if some settlements could be tolerated. An option which poses less potential for settlement, may include pile foundations. Such foundations would, however, require further subsurface exploration and testing to establish specific design parameters. Slope stability and bank protection around the perimeter of the lot should also be looked at in light of Shoreline Management Act criteria and seismic risk considerations.

We appreciate this opportunity to be of service to you and would be pleased to discuss the contents of this report or other aspects of this project with you at your convenience.

Respectfully submitted,

RITTENHOUSE-ZEMAN & ASSOCIATES, INC.

James Dransfield
James Dransfield, Geotechnical Engineer

Alvin R. Zeman
Alvin R. Zeman, P.E.



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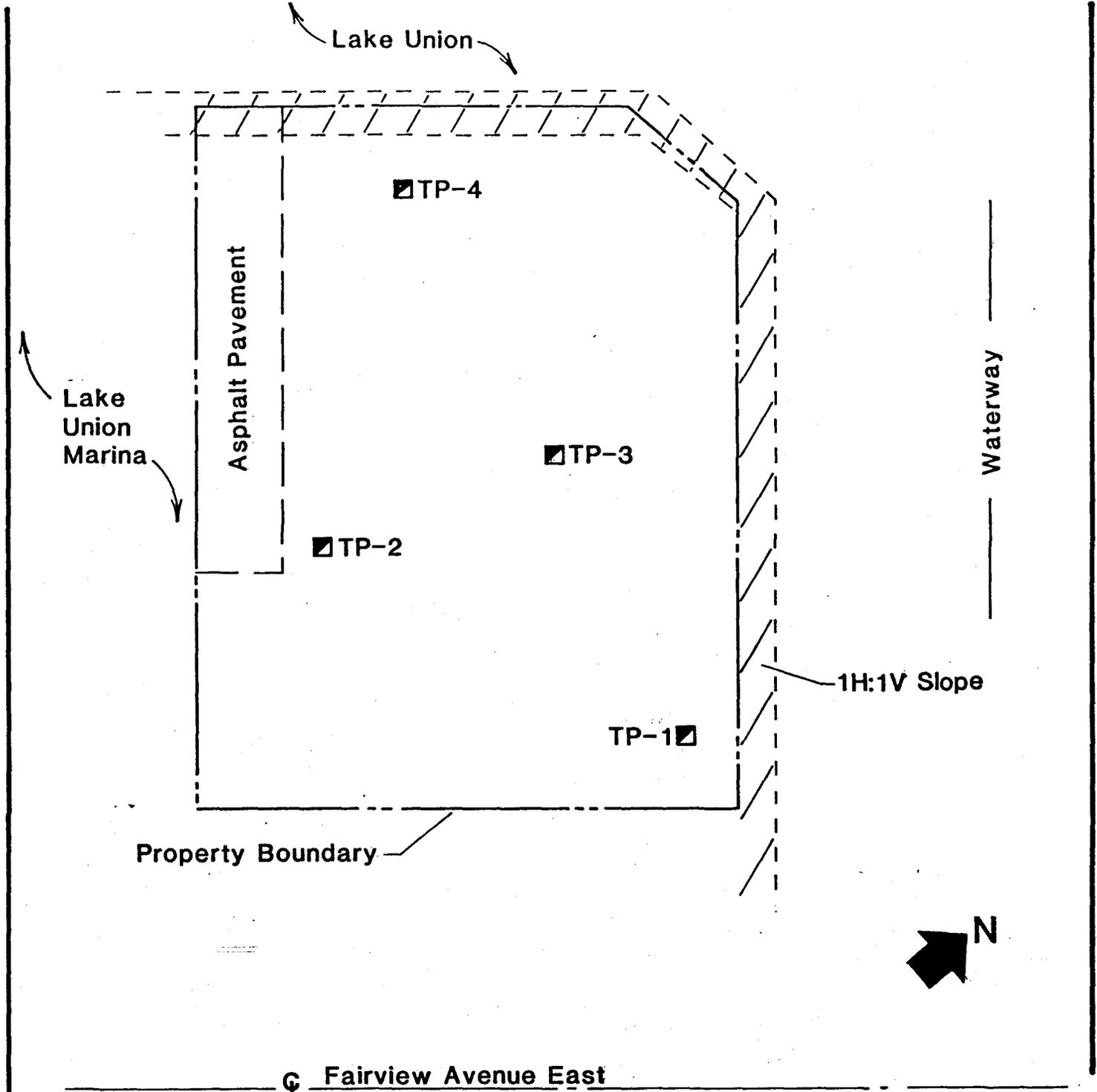
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Site Plan

Appendix A:

 Test Pit Logs

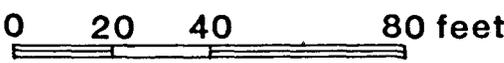


PROPOSED CRAZY LOBSTER RESTAURANT

**FIGURE 1
SITE PLAN**

LEGEND:

■ TP-4 Indicates test pit number and approximate location



RITTENHOUSE - ZEMAN & ASSOC.
 FOUNDATION AND SOILS ENGINEERING, GEOLOGY

13837 N.E. 8th Street
 Bellevue, Washington 98005
 746-8020

W.O.	<u>W-3977</u>	DATE	<u>April 1983</u>
BY	<u>JSD</u>	SCALE	<u>As Noted</u>

TEST PIT LOGS

Depth (feet)

Soil Classification

W-3977

Test Pit TP-1

0.0 - 2.0

Loose to medium dense, moist, brown, fine SAND with trace of silt.

2.0 - 11.5

Medium stiff, moist, gray, sandy, clayey SILT (Fill). Interbedded organic matter between 4.0 and 4.5 feet.

Interbedded medium dense, moist, dark brown, silty SAND from 4.5 to 5.0 feet.

Large concrete block at 7.5 feet, and smaller blocks and bricks mixed with gray clayey silt and other debris throughout entire fill.

Slight seepage above 2 feet.

Subsurface seepage at 10 feet.

Test Pit TP-2

0.0 - 11.5

Stiff, to medium stiff to soft (below 4 feet), moist, gray, clayey, sandy SILT with gravelly, sandy lenses (Fill). Concrete bricks and wood included.

Medium dense, moist, gray-brown, silty sand from 8.0 to 9.0 feet.

Slight subsurface seepage below 11 feet.

Depth (feet) Soil Classification

Test Pit TP-3

0.0-- 1.0	Loose to medium dense, moist, brown SAND with some silt.
1.0 - 3.0	Stiff, moist, gray, clayey, sandy SILT with scattered gravel, wood, organic fragments, bricks, concrete; organic matter at 2 feet (2-inches thick).
3.0 - 3.5	Asphalt.
3.5 - 5.0	Medium dense to dense, moist, brown, SAND (asphalt subgrade).
5.0 - 10.5	Medium stiff to loose, moist to wet, gray, clayey, sandy SILT. Seepage from below 8 feet.

Test Pit TP-4

0.0 - 11.0	Stiff, to medium stiff to soft (below 5 feet) moist, gray, clayey, sandy SILT. Included organics, bricks, concrete, and asphalt. Seepage observed below 10 feet.
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