- ☐ City box number C-2
- ☐ 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)
- ☐ 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
  - ☐ ^{14}C or Radiocarbon Testing
  - ☐ Other_____
- ☐ Soil Chemical Analytical Testing Summary Tables
- ☐ Water/Groundwater Chemical Analytical Summary Tables
- ☐ Comments_____

1143

- ☐ Date Copied 2-23-99. By [illegible]

2/9/99

Form 407-SE

PITTSBURGH TESTING LABORATORY

ESTABLISHED 1881

826 N. West 49th Street - Seattle 7, Washington

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LABORATORY No.

CLIENT'S No.

February 20, 1970

ORDER No. SE 6228

REPORT

#1

GROUL CONSTRUCTION COMPANY
119 Harvard Avenue East
Seattle, Washington 98102

RE: Preliminary Soils Investigation
Housing for the Elderly
Project: Wash 1-29

Gentlemen:

In accordance with your request, we have performed a preliminary soils investigation at the site of subject project, 1212 Queen Ann Avenue North, Seattle, Washington.

Site Description. Lots 1 and 2, Block 10, Comstock Addition to the City of Seattle. The lots slope from East to West and from North to South. A one-story brick apartment building covers the major portion of the site.

Soil Boring and Sampling. Two borings were put down at locations shown on the enclosed Plot Plan. The borings were located in the only spots allowing access to our truck-mounted drilling rig. The borings were advanced by means of a truck-mounted drilling rig equipped for standard penetration sampling.

To determine the soil relative density and/or consistency, penetration tests were performed in each of the borings by driving a 2" o.d., split barrel penetration spoon into the undisturbed soil by means of a 140# drop weight falling 30". Penetration resistance in blows per foot of penetration was logged and appears at the right of each graphical log of borings included with this report. Samples obtained from the penetration spoon were used for visual identification. Symbols and relative density classification will be found on the enclosed "Key to Boring Logs". No water was encountered at time of boring.

Soil Classification. The soils encountered consisted of a medium-dense to dense gravelly sand. The density increased with increasing depth.

Bearing Values. Based on information included in Section 3.28 of the Seattle Building Code, an allowable bearing capacity of 8000 p.s.f. can be assigned to this soil. Footings must be a minimum thickness of 6" and extend at least 12" below the finish grade.

The foregoing report is preliminary information only. Settlement analysis or foundation engineering was neither requested nor performed; consequently, no recommendation based on engineering or laboratory analysis can be included herein.

Respectfully submitted,

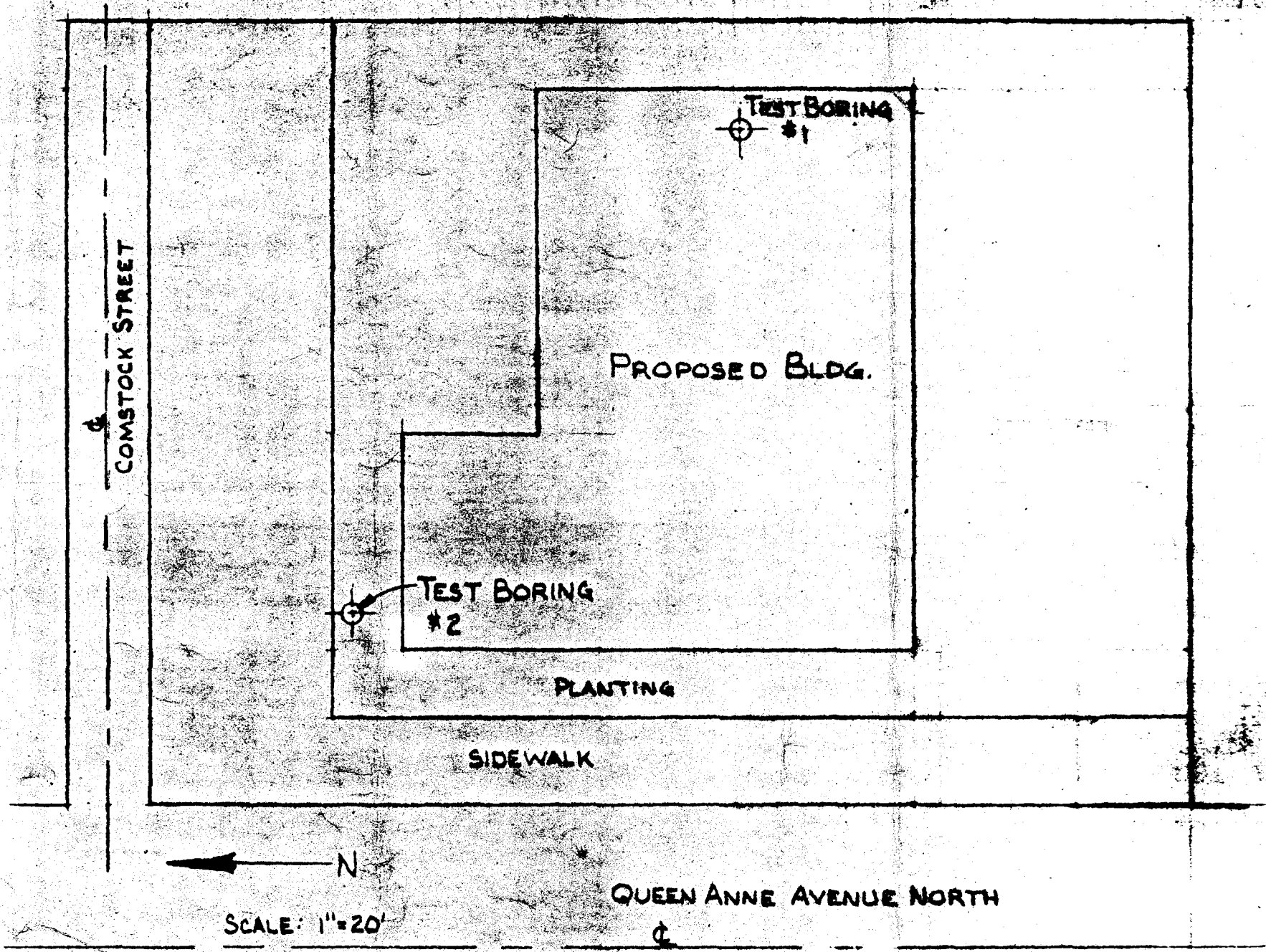
PITTSBURGH TESTING LABORATORY

Kingsley D. Drake

Kingsley D. Drake, Manager
Seattle District

KKD:em

3 Enclosures



PITTSBURGH TESTING LAB.
826 N.W. 49TH SEATTLE, WASH.
SU-4-8600 SE-6228 FEB. 19, 1970
DRAWN BY WLM

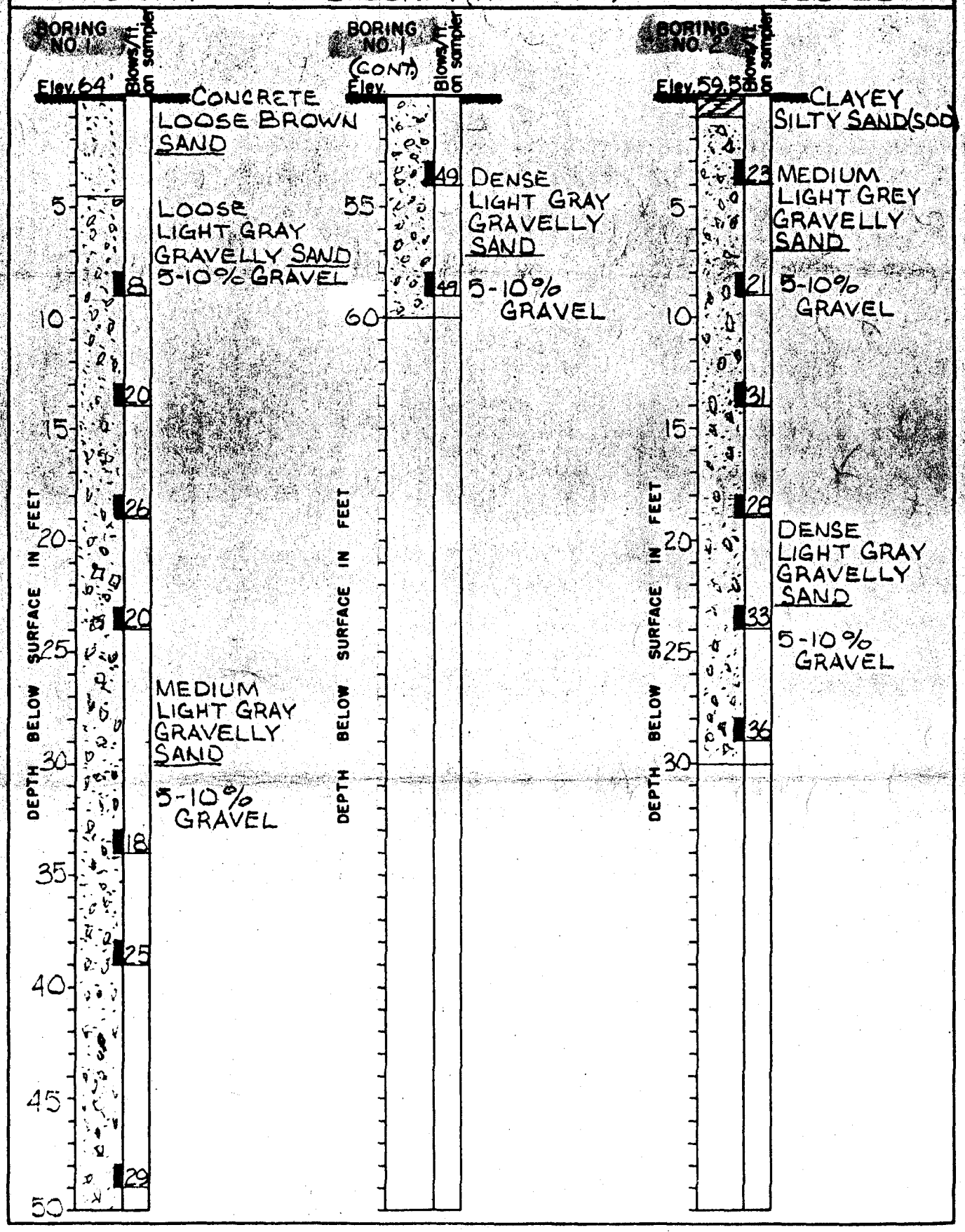
PLOT PLAN OF TEST BORINGS OF SOILS INVESTIGATION FOR HOUSING FOR THE ELDERLY, SEATTLE HOUSING AUTHORITY
DEVELOPER: KENNETH R. GROUL; PROJECT: WASHINGTON 1-29

Form 1321

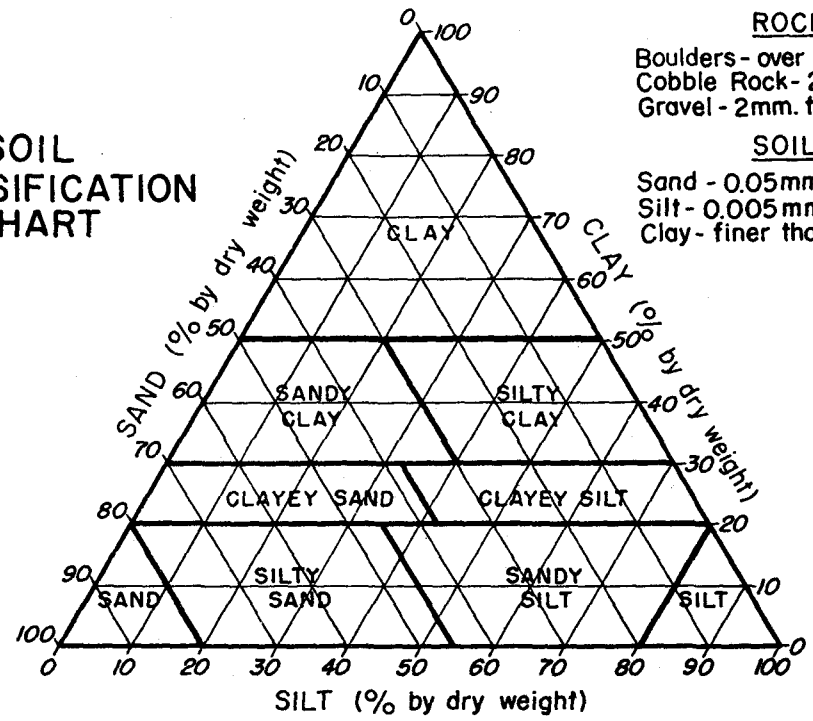
PITTSBURGH TESTING LABORATORY
LOG OF BORINGS

Client: GROUL CONST CO. Date: 2-19-70

Project: HOUSING FOR THE ELDERLY (WASH. 1-29) Order No. SE6228



SOIL CLASSIFICATION CHART



ROCK

Boulders - over 6 inches
Cobble Rock - 2 to 6 inches
Gravel - 2mm. to 2 inches

SOIL

Sand - 0.05mm. to 2mm.
Silt - 0.005mm. to 0.05mm.
Clay - finer than 0.005mm.

KEY TO BORING LOGS

- Topsoil or Fill
- Gravel
- Sand
- Silt
- Clay
- Organic Mat'l.
- Silty Sand
- Clayey Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Clay
- Shale
- Sandstone
- Limestone
- Igneous Rock
- Sample taken at this level
- Sample not recovered
- 30 / 22 — Number of blows of a 140-lb. weight falling 30 in. req'd. to drive st'd. spoon one foot
- 25 / P — Spoon pushed by hand
- 70 / R — Split-barrel undisturbed sampler w/brass liner rings used
- 45 / S — Thin-wall Shelby tube undisturbed sampler used
- 90% REC. — Percent core recovery from rock core-drilling operations
- 15 / WL — Free ground water level

RELATIVE DENSITY (sand-silt)

Very Loose - Less than 4 blows per foot
Loose - 4 to 10 blows/ft.
Medium - 10 to 30 blows/ft.
Dense - 30 to 50 blows/ft.
Very Dense - More than 50 blows/ft.

CONSISTENCY (clay)

Very Soft - Less than 2 blows per foot
Soft - 2 to 4 blows/ft.
Medium - 4 to 8 blows/ft.
Stiff - 8 to 15 blows/ft.
Very Stiff - 15 to 30 blows/ft.
Hard - More than 30 blows/ft.