

Area Seattle

Status _____

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Source: DCLU

Project # 2207759

Permit # 743391

Site Address 13534-40th Ave NE

Date Copied 11/05 By [Signature]

- Title page with the following information:
 - Company (Author) name
 - Report date
 - Project Name
 - Company's job number
 - Site address
- Executive Summary / Introduction of the report
- Table of contents
- Project Location Map / Vicinity Map
- Site / Exploration Plans, Boring Location Plans
- Cross-sections / Subsurface profiles
- Exploration Logs
- Monitoring Well Logs
- Cone Penetrometer Logs
- Groundwater Elevation Tables / Data

Includes data from Previous Reports

No new data /data review

Missing Data /Illegible Data
Explanation _____

Comments: _____

City box number - Recent Reports DCLU

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Roger H. Newell
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Seattle, WA 98112

Job Number 21050
June 12, 2001

Subject: Geotechnical Engineering Report
13534 - 40th Avenue Northeast
Seattle, Washington

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NORTHFIELD/NEWELL
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Dear Mr. Newell:

We are pleased to present the Geotechnical Engineering Report for the proposed new residential structure to be constructed on the property at 13534 - 40th Avenue Northeast in Seattle, Washington. The purposes of our work were to professionally evaluate subsurface soil and groundwater conditions, recommend general procedures for the grading and underslab treatment in the building areas, and provide foundation recommendations. The scope of our services included:

- 1) Logging and sampling one test boring drilled to a depth of 9.0 feet below existing grades. Selected samples were taken of subsurface soils.
- 2) Reviewing collected soil samples in our office, assigning appropriate laboratory tests, evaluating results, and conducting engineering analysis.
- 3) Reviewing the Shannon & Wilson Geotechnical Engineering Report for the lot immediately to the south of the site.
- 4) Preparation of this report in accordance with our understanding of project requirements and generally recognized local geotechnical engineering practices, including the requirements of DCLU 3-93. No other warranty is expressed or implied. Plate 1, attached, provides the guidelines in the use of this report.

Project Understandings:

This office was provided with a faxed copy of a Site Plan which included topography and the building location. Our knowledge of this project is generally limited to the information on the Site Plan. We anticipate the structure will be a multiple-storied, with finish exterior grades to remain near existing grades.

General Site Conditions - Surface:

The proposed new residential structure will be constructed on the parcel at 13534 - 40th Avenue Northeast in Seattle, Washington. The attached Vicinity Map, Plate 2, shows the general vicinity of the site.

At the time of our fieldwork, the lot was a tree and shrub-covered slope. There was no evidence that the site had ever been developed. The property generally slopes down to the east with a moderate gradient.

Subsurface Exploration and Description:

One test boring was drilled to a depth of 9.0 feet below existing grades at the approximate location shown on the Site Plan, Plate 3. The test boring was logged and sampled by the undersigned engineer during the drilling process. The log is attached to this report. Field density interpretations are summarized on the test boring log. Although there may very well be some variation in the subsurface and/or conditions may not be readily apparent from the ground surface, we expect the following subsurface interpretation will be essentially correct:

Our field test confirmed the earlier Shannon & Wilson report. Generally, there is around seven to eight feet of looser gravelly silty sand underlain with very dense gravelly silty sand. No groundwater was noted during our drilling.

The final test log attached to this report present our interpretation of the field data. The stratification lines on the log represent approximate boundaries between soil types at the exploration location. In actuality, the transition may be gradual. The relative densities and moisture descriptions on the log are interpretive descriptions based on observed conditions during drilling. The log should be reviewed for specific subsurface information at the location tested.

Plate 2

Vicinity Map - Job Number 21050

13534 - 40th Avenue NE, Seattle, Washington

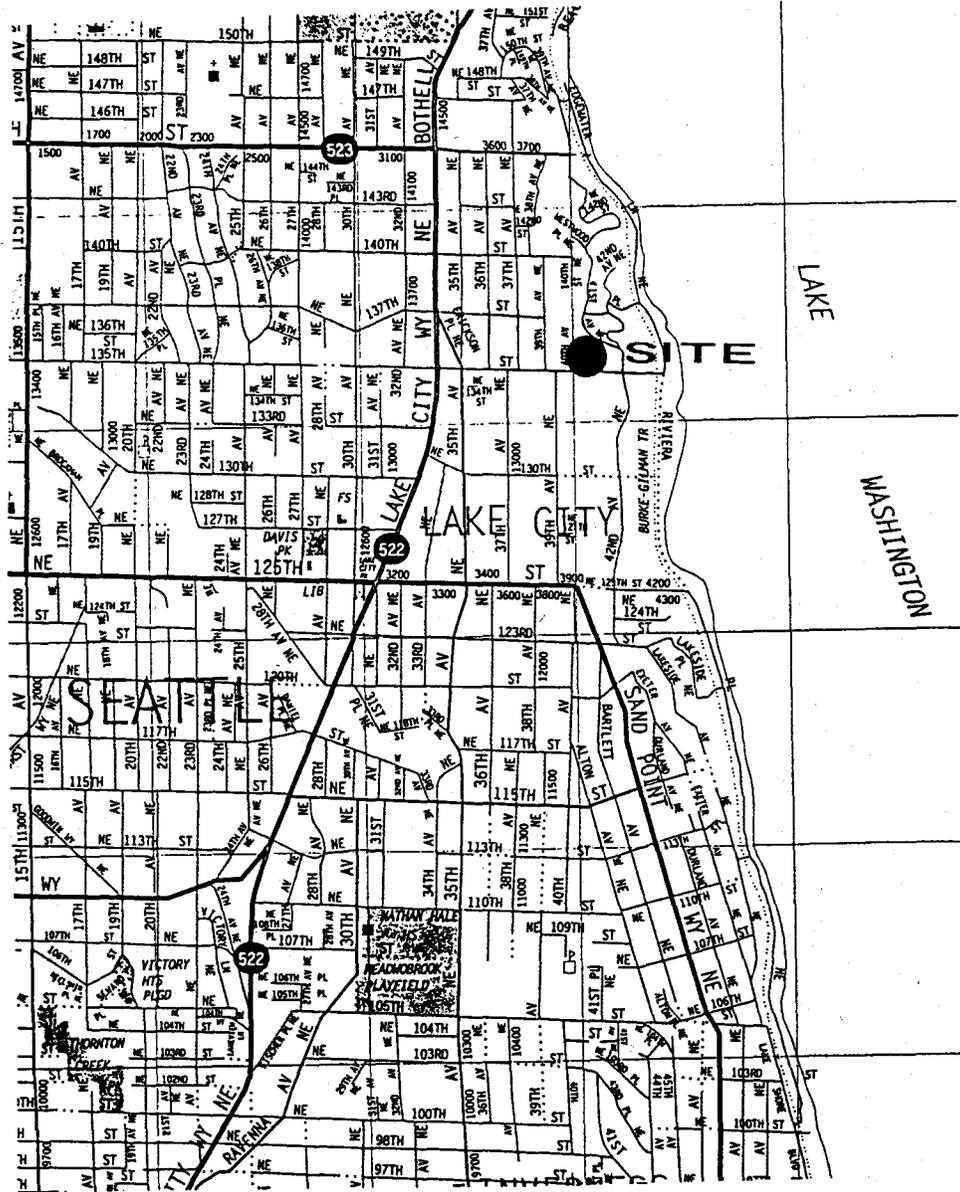
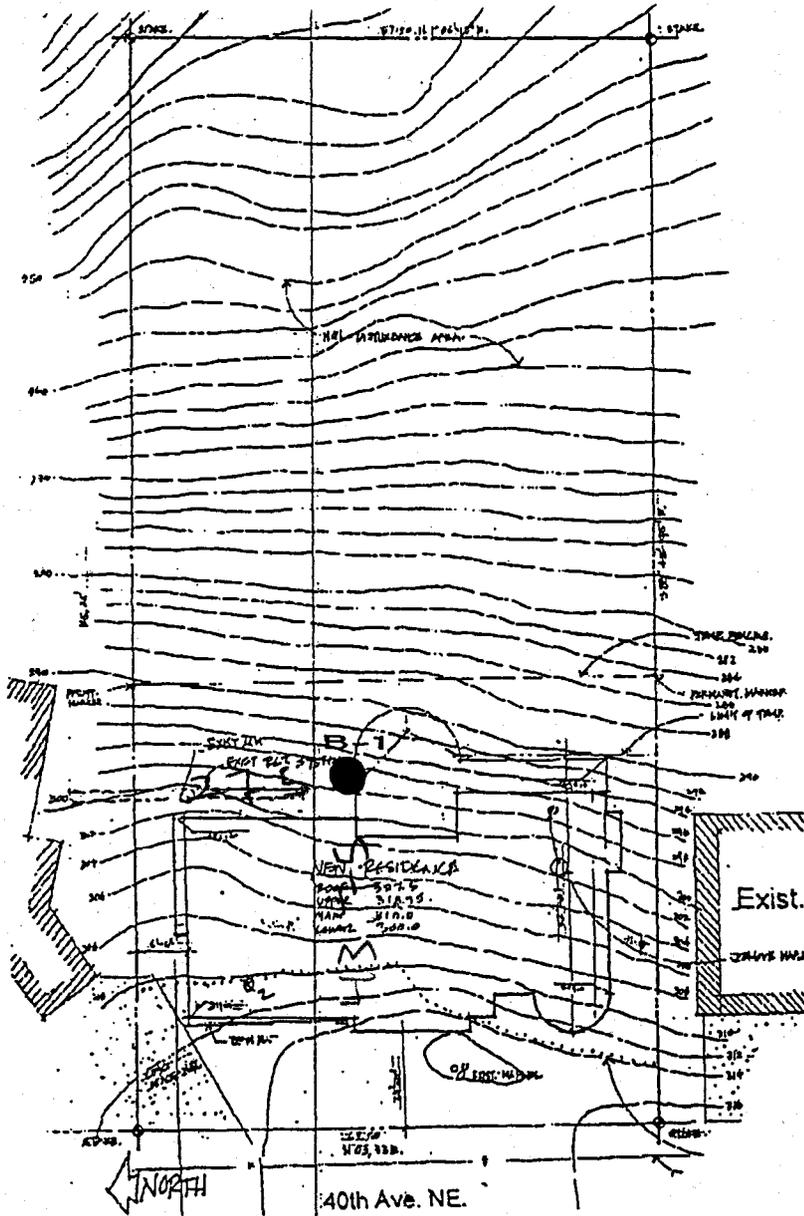


Plate 3

Site Plan - Job Number 21050

13534 - 40th Avenue NE, Seattle, Washington

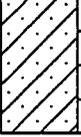


1 in = 25 ft.

Hole No. B-1

PROJECT: 13534 - 40th Ave. NE
 DRILL RIG: Portable Rig
 HOLE DIA: 6 in.
 INITIAL WATER DEPTH: ft.
 FINAL WATER DEPTH: ft.

DATE DRILLED: 06/01/01
 LOGGED BY: MKD
 SAMPLER: SPT
 HOLE ELEV: ± 296.0 MSL
 TOTAL DEPTH: 9.0 ft.

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	SAMPLES	BLOWS /FT.	REMARKS
Brown Gravelly Silty Sand, moist, loose.	SM		0 1 2 3 4 5 6	5 6	Moisture Content = 15.0% Moisture Content = 13.1%
Brown Clayey Silt, very moist, hard.	ML		7 8 9	58	Moisture Content = 14.9%
Stopped at 9.0 feet. No groundwater seepage noted during drilling.					