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Site Address 16000 75th Pl W

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- ☐ **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: _____

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BUILDING

DEC 12 1997

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6/6

November 22, 1989

Consulting Geotechnical
Engineers and Geologists

Mr. Roger G. McCorkle
Hawley & McCorkle
2121 Northeast Perkins Way
Seattle, Washington 98155

Dear Mr. McCorkle:

Report
Geotechnical Consultation
Proposed Short Plat
Block 59 of Meadowdale Beach
Edmonds, Washington
File 1411-001-802

INTRODUCTION

This report presents our findings and opinions relative to residential development of your property located in the 16000 and 16100 blocks of 75th Place West, in the Meadowdale area of Edmonds, Washington. The property includes existing Lots 1 through 10 of Block 29 of the Plat of Meadowdale Beach, and is shown in the attached Site Plan and Vicinity Map, Figure 1.

The subject property is located west of 75th Place West, between that street and the Burlington Northern Railroad right of way which parallels the shoreline of Puget Sound. The site extends northward from 162nd Street West to the (vacated) westward extension of North Meadowdale Road. We understand that you propose to short plat the property as four lots in place of the existing 10 lots, possibly excluding the southernmost portion of the property, and that you require information on site conditions that may affect residential development.

The purpose of our services is to provide you with information regarding geotechnical conditions at the site relative to residential development of the property. Specifically, our scope of services includes:

1. Exploration of subsurface soils and ground water conditions at the site by means of one boring and six test pits.

GeoEngineers, Inc.
2105 140th Ave NE, Suite 315
Bellevue, WA 98005
Telephone (206) 766-5200
Fax (206) 766-5200

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2. Review of information regarding past landslides that may be relevant to residential development of the property.
3. Evaluation of the stability of the soils at the site with respect to the criteria required by the City of Edmonds.

Our present scope of services does not include specific recommendations for site grading, foundation support, site drainage and erosion controls. However, at your request this report does include general recommendations for site development and foundation design.

SITE CONDITIONS

The existing ground surface within the property slopes moderately downward to the west, ranging from approximately Elevation 80 feet near its northeast corner to approximately Elevation 30 feet near its southwest corner.

There are no buildings or other improvements on the site at this time, but concrete foundation remnants of a previous structure are located within the southern portion of the site. The site is vegetated primarily by brush, with a few evergreen and deciduous trees mainly in the northern portion of the property. The southwestern part of the site is vegetated mainly by grass, with some areas of bare soil. We observed no areas of seepage or surface water runoff within the site.

Subsurface conditions at the site were explored by means of six test pits and one boring located as shown on Figure 1. A description of the subsurface exploration program, and the logs of the test pits and the boring, are presented in the Appendix.

Subsurface conditions at the site generally consist of 6 to 14 feet of brown silty sand overlying stiff gray silt. The upper 2 to 6 feet of the silty sand is generally loose and the lower portion of that material is generally medium dense. The underlying gray silt increases in hardness with depth. In the southern portion of the site, primarily in the area of existing Lots number 7 through 10, three to five feet of fill was observed overlying the native soils. The fill material consists of silty, sandy silt, and includes wood debris.

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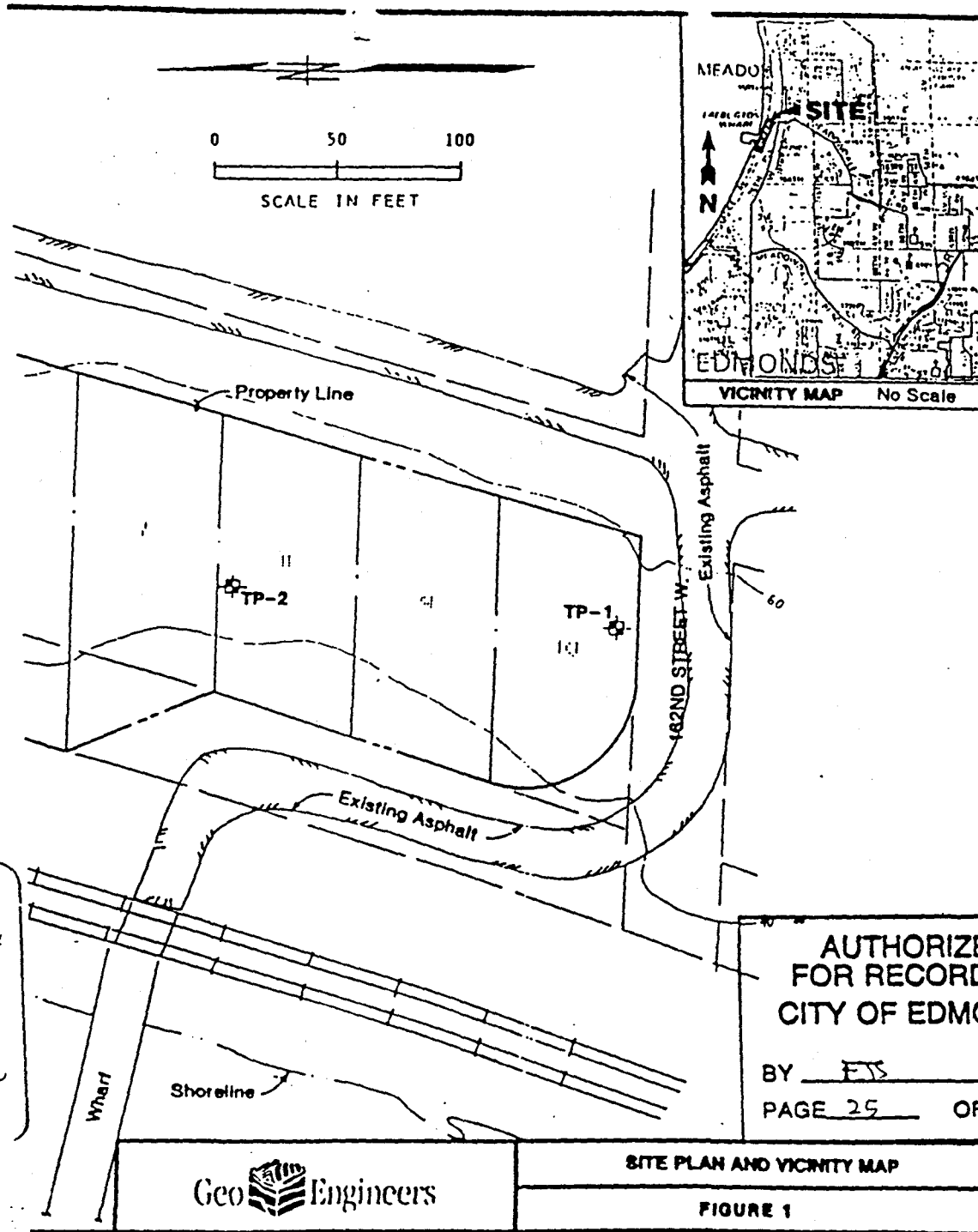
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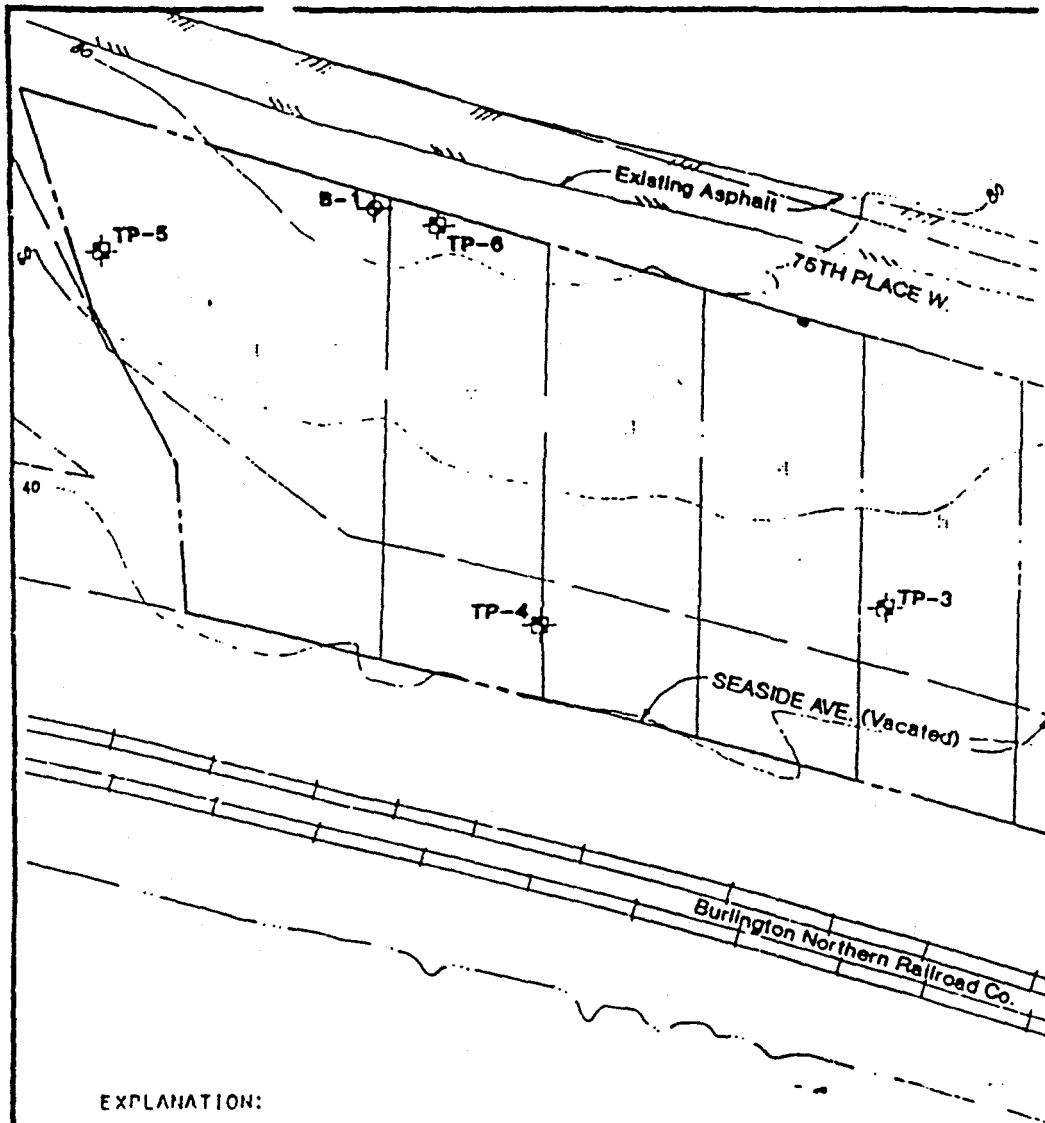


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1411-001 502 SMT KKT 11 22 89



EXPLANATION:

B-1  BORING LOCATION AND NUMBER

TP-1  TEST PIT LOCATION AND NUMBER

REFERENCE: LOWER MEADOWDALE BEACH PLAT AND TOPOGRAPHIC MAP
BY GROUP FOUR, INC., DATED 5/14/76.

PUGET SOUND

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APPENDIX
SUBSURFACE EXPLORATION PROGRAM

Subsurface conditions at the site were explored by means of six test pits and one boring. The test pits were excavated on August 18, 1988 to depths of 11 to 17 feet using a tractor-mounted backhoe. The boring was drilled on August 23, 1988 to a depth of 39 feet using a hollow-stem auger drill rig.

The explorations were continuously logged in the field by an engineering geologist or geotechnical engineer from our firm. The soils encountered were classified in accordance with the system described in Figure A-1. A key to the boring log symbols is presented in Figure A-2. The logs of the test pits are shown in Figures A-3 and A-4, and the boring log is presented in Figure A-5.

The exploration logs are based on our interpretations of the field observations and indicate the various types of soils encountered. They also indicate the depths at which these soils or their characteristics change, although the change might actually be gradual.

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LOG OF TEST PIT

DEPTH BELOW
GROUND SURFACE
(FEET)SOIL GROUP
CLASSIFICATION
SYMBOL

DESCRIPTION

0.0 - 3.0 SM GRAYISH BROWN SILTY SAND WITH GRAVEL, WOOD DEBRIS AND ROOTS (LOOSE, DAMP)

3.0 - 4.0 ML BROWNISH GRAY SANDY SILT WITH GRAVEL, WOOD DEBRIS AND ROOTS (SOFT, MOIST)

4.0 - 8.0 ML GRAY SANDY SILT WITH ROOTS (SOFT, MOIST)

8.0 - 11.0 SM GRAYISH BROWN SILTY SAND WITH GRAVEL (MEDIUM DENSE, MOIST)

TEST PIT COMPLETED AT 11.0 FEET

MINOR SEEPAGE OBSERVED AT 10.0 FEET

TEST PIT TP-2

0.0 - 0.5 ML DARK BROWN SANDY SILT WITH ROOTS (SOFT, DAMP)

0.5 - 3.5 SM GRAY AND BROWN SILTY SAND WITH ROOTS AND WOOD DEBRIS (LOOSE, DAMP)

3.5 - 5.0 ML MOTTLED GRAY AND BROWN SANDY SILT WITH ROOTS (SOFT, DAMP)

5.0 - 7.0 ML GRAY SANDY SILT (STIFF, MOIST)

7.0 - 9.0 SM GRAY SILTY SAND (MEDIUM DENSE, MOIST)

9.0 - 11.0 SP GRAY SAND (MEDIUM DENSE, WET)

11.0 - 12.0 ML GRAY SILT (VERY STIFF, MOIST)

12.0 - 14.0 ML GRAY SILT (VERY STIFF TO HARD, MOIST)

TEST PIT COMPLETED AT 14.0 FEET

SEEPAGE OBSERVED AT 11.0 FEET

14.7
in database

TEST PIT TP-3

0.0 - 3.0 SM GRAYISH BROWN SILTY SAND WITH GRAVEL AND ROOTS (LOOSE, DAMP)

3.0 - 6.0 SM REDDISH BROWN AND GRAY SILTY SAND WITH ROOTS (LOOSE, DAMP)

6.0 - 8.0 ML GRAY SANDY SILT (STIFF, MOIST)

8.0 - 12.0 SM BROWNISH GRAY SILTY SAND (MEDIUM DENSE, MOIST)

12.0 - 14.0 ML GRAY SANDY SILT (STIFF TO VERY STIFF, MOIST)

14.0 - 16.0 SM GRAY SILTY SAND (MEDIUM DENSE, MOIST TO WET)

TEST PIT COMPLETED AT 16.0 FEET

NO SEEPAGE OBSERVED

THE DEPTHS ON THE TEST PIT LOGS, ALTHOUGH SHOWN TO 0.1 FOOT, ARE BASED ON AN AVERAGE OF MEASUREMENTS ACROSS THE TEST PIT AND SHOULD BE CONSIDERED ACCURATE TO 0.5 FOOT.

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FIGURE A-3

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LOG OF TEST PIT

DEPTH BELOW
GROUND SURFACE
(FEET)SOIL GROUP
CLASSIFICATION
SYMBOL

DESCRIPTION

0.0 - 4.0	SM	BROWN AND BROWNISH GRAY SILTY SAND WITH GRAVEL, WOOD DEBRIS AND ROOTS (LOOSE TO MEDIUM DENSE, DAMP)
4.0 - 10.0	SM	GRAY AND BROWNISH GRAY SILTY SAND WITH GRAVEL AND ROOTS (MEDIUM DENSE, MOIST)
10.0 - 14.0	ML	GRAY SILT AND SILTY CLAY (HARD, DAMP)

TEST PIT COMPLETED AT 14.0 FEET
NO SEEPAGE OBSERVED

0.0 - 2.0	SM	BROWN SILTY SAND WITH GRAVEL, WOOD DEBRIS AND ROOTS (LOOSE TO MEDIUM DENSE, DAMP)
2.0 - 4.0	SP	REDDISH BROWN SAND WITH ROOTS (MEDIUM DENSE, DRY)
4.0 - 6.0	ML	GRAY SILT WITH ROOTS (VERY STIFF, DAMP)
6.0 - 8.0	SP	BROWNISH GRAY SAND WITH ROOTS (DENSE, DRY)
8.0 - 12.0	ML	GRAY SILT (STIFF TO VERY STIFF, DAMP)
12.0 - 14.0	ML	GRAY SILT (HARD, DAMP)

TEST PIT COMPLETED AT 14.0 FEET
NO SEEPAGE OBSERVED

0.0 - 4.0	SM	MEDIUM BROWN SILTY SAND WITH GRAVEL AND ROOTS (LOOSE, DRY)
4.0 - 8.0	SM	REDDISH BROWN AND GRAY SILTY SAND WITH GRAVEL AND ROOTS (MEDIUM DENSE, DAMP)
8.0 - 14.0	SM	BROWNISH GRAY SILTY SAND WITH GRAVEL (MEDIUM DENSE, DAMP)
14.0 - 17.0	ML	GRAY SILT AND SILTY CLAY (VERY STIFF TO HARD, MOIST)

TEST PIT COMPLETED AT 17.0 FEET
NO SEEPAGE OBSERVED

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THE DEPTHS ON THE TEST PIT LOGS, ALTHOUGH SHOWN TO 0.1 FOOT,
THE TEST PIT AND SHOULD BE CONSIDERED ACCURATE TO 0.5 FOOT.

ARE BASED ON AN AVERAGE OF MEASUREMENTS ACROSS

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LOG OF TEST PIT

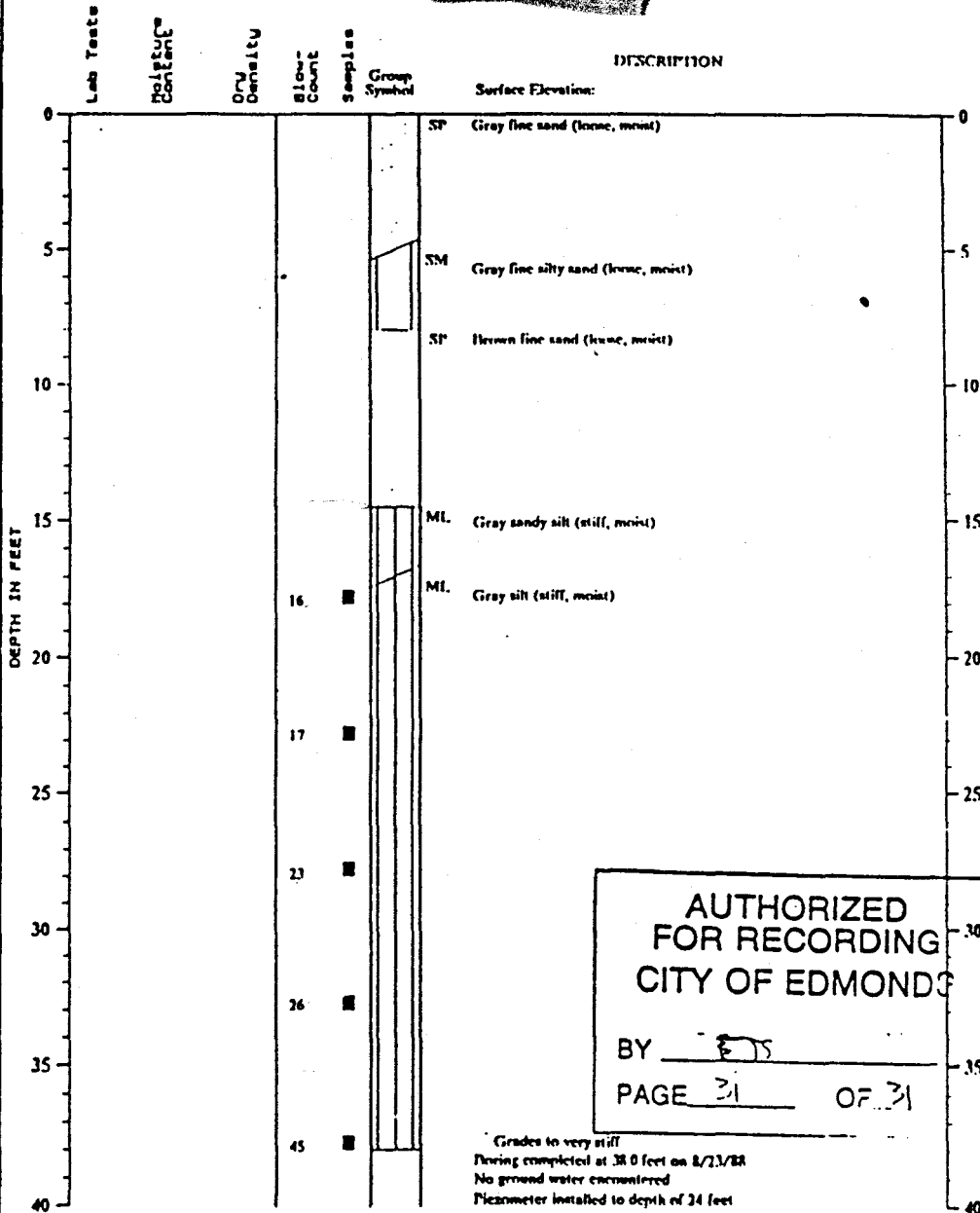
FIGURE A-4

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Note: See Figure A-2 for explanation of symbols

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Log of Boring

Figure A-5

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LOG OF TEST PIT

DEPTH BELOW
GROUND SURFACE
(FEET)

SOIL GROUP
CLASSIFICATION
SYMBOL

DESCRIPTION

TEST PIT TP-1

0.0 - 4.0	SH	BROWN AND BROWNISH GRAY SILTY SAND WITH GRAVEL, WOOD DEBRIS AND ROOTS (LOOSE TO MEDIUM DENSE, DAMP)
4.0 - 10.0	SH	GRAY AND BROWNISH GRAY SILTY SAND WITH GRAVEL AND ROOTS (MEDIUM DENSE, MOIST)
10.0 - 14.0	ML	GRAY SILT AND SILTY CLAY (HARD, DAMP)

TEST PIT COMPLETED AT 14.0 FEET
NO SEEPAGE OBSERVED

TEST PIT TP-2

0.0 - 2.0	SH	BROWN SILTY SAND WITH GRAVEL, WOOD DEBRIS AND ROOTS (LOOSE TO MEDIUM DENSE, DAMP)
2.0 - 4.0	SP	REDDISH BROWN SAND WITH ROOTS (MEDIUM DENSE, DRY)
4.0 - 6.0	ML	GRAY SILT WITH ROOTS (VERY STIFF, DAMP)
6.0 - 8.0	SP	BROWNISH GRAY SAND WITH ROOTS (DENSE, DRY)
8.0 - 12.0	ML	GRAY SILT (STIFF TO VERY STIFF, DAMP)
12.0 - 14.0	ML	GRAY SILT (HARD, DAMP)

TEST PIT COMPLETED AT 14.0 FEET
NO SEEPAGE OBSERVED

TEST PIT TP-3

0.0 - 4.0	SH	MEDIUM BROWN SILTY SAND WITH GRAVEL AND ROOTS (LOOSE, DRY)
4.0 - 8.0	SH	REDDISH BROWN AND GRAY SILTY SAND WITH GRAVEL AND ROOTS (MEDIUM DENSE, DAMP)
8.0 - 14.0	SH	BROWNISH GRAY SILTY SAND WITH GRAVEL (MEDIUM DENSE, DAMP)
14.0 - 17.0	ML	GRAY SILT AND SILTY CLAY (VERY STIFF TO HARD, MOIST)

TEST PIT COMPLETED AT 17.0 FEET
NO SEEPAGE OBSERVED

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THE DEPTHS ON THE TEST PIT LOGS, ALTHOUGH SHOWN TO 0.1 FOOT, ARE BASED ON AN AVERAGE OF MEASUREMENTS ACROSS THE TEST PIT AND SHOULD BE CONSIDERED ACCURATE TO 0.3 FOOT.

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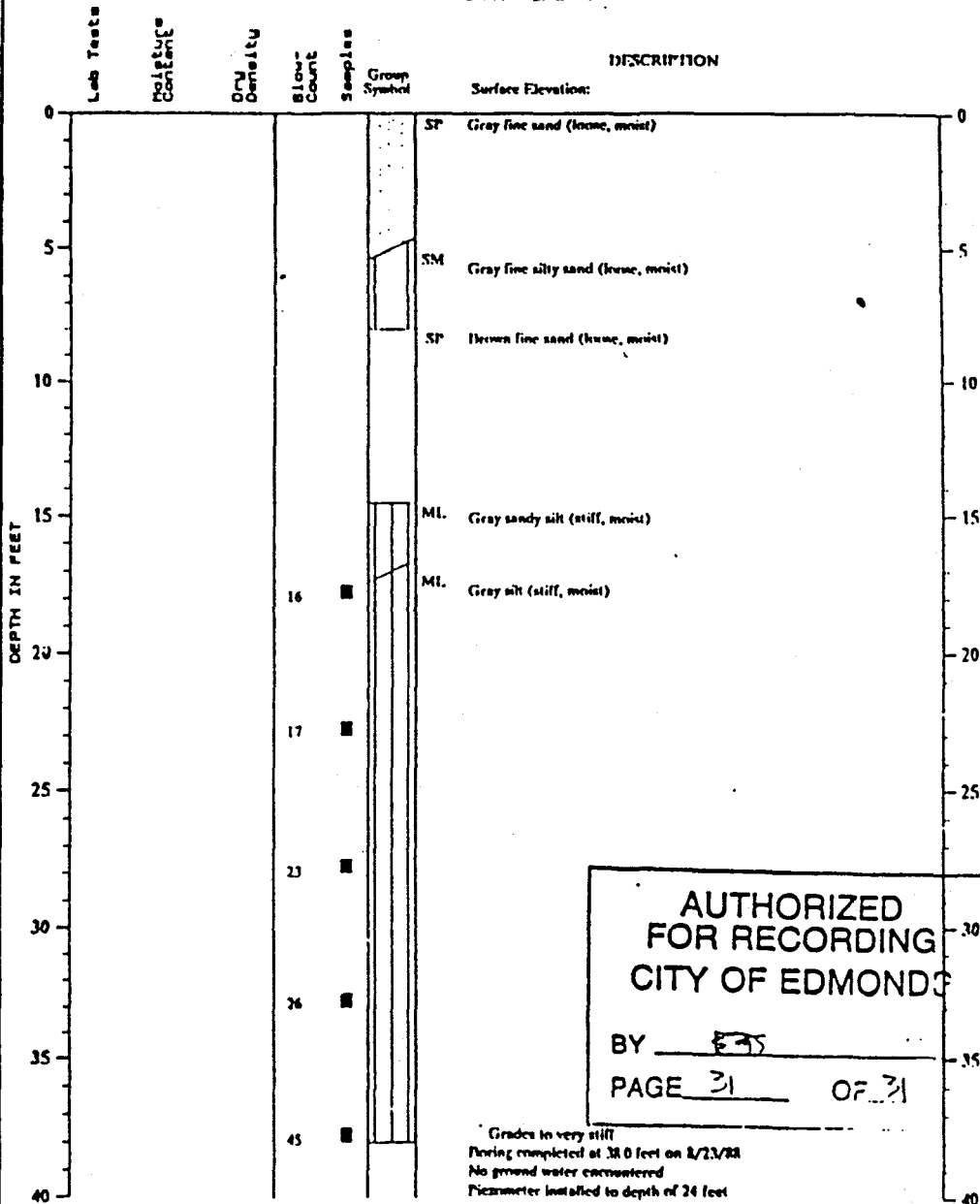
LOG OF TEST PIT

FIGURE A-4

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Note: See Figure A-1 for explanation of symbols

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Log of Boring

Figure A-5

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