

TABLE OF CONTENTS

INTRODUCTION	1
PROJECT CONSIDERATIONS	2
SITE CONDITIONS.....	2
SOIL CONDITIONS	3
CONCLUSIONS AND RECOMMENDATIONS	5
Conventional Retaining Wall.....	5
Segmental Concrete Retaining Wall.....	7
Probing and Grouting.....	9
Seismic Design.....	9
Lateral Design.....	10
Foundation Settlement	11
Pavement Design	11
Site Grading	13
ADDITIONAL SERVICES.....	15
LIMITATIONS.....	16

APPENDICES

APPENDIX A

Description of Field Investigation	Plates A1.1 through A1.3
Location Map	Plate A2.1
Boring Location Plan	Plates A2.2 through A2.8
Boring Log Legend	Plate A3.1
Unified Soil Classification System	Plate A3.2
Rock Weathering Classification System	Plate A3.3
Boring Logs	Plates A4.1 through A4.24
Dept. of Health Site Evaluation/Percolation Test Forms	Plates A5.1 through A5.4

APPENDIX B

Description of Laboratory Testing	Plates B1.1 and B1.2
Direct Shear Test Reports	Plates B2.1 through B2.3
Modified Proctor Test Reports	Plates B3.1 and B3.2
CBR Stress Penetration Test Reports	Plates B4.1 through B4.3
Sieve Analysis Test Reports	Plates B5.1 and B5.2
R-Value Test Reports	Plates B6.1 through B6.3

APPENDIX C

Flexible Pavement Calculations

Shower Dr. to Ainaloa Blvd. (Alternative #1)	Plates C1.1 through C1.3
Shower Dr. to Ainaloa Blvd. (Alternative #2)	Plates C2.1 through C2.3
Southeast of Ainaloa Blvd. (Alternative #1)	Plates C3.1 through C3.3
Southeast of Ainaloa Blvd. (Alternative #2)	Plates C4.1 through C4.3