

GEOTECHNICAL ENGINEERING REPORT

1.0 INTRODUCTION

This geotechnical engineering report has been completed for the proposed Public Safety Building and Elderly Duplex Buildings to be constructed in Wyandotte, Oklahoma. A total of nine borings, designated B-1 through B-9, were performed to depths of approximately 3 to 15 feet below the existing ground surface. Logs of the borings along with a site location map and boring location plans are included in Appendix A of this report.

The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- subsurface soil and rock conditions
- groundwater conditions
- earthwork
- floor slab subgrade preparation
- foundation design and construction
- pavement design and construction

2.0 PROJECT INFORMATION

2.1 Project Description

ITEM	DESCRIPTION
Site layout	See Appendix A, Figure A-3, Boring Location Plan.
Buildings	Elderly Duplexes; 4 single-story buildings with approximate footprint area of 3,200 ft ² for each building. Public Safety Building; single-story building with approximate footprint area of 5,500 ft ² .
Building Construction	slab-on-grade
Maximum loads	Columns: 75 kips (assumed) Walls: 3 kips/ft. (assumed)
Grading	A grading plan for the proposed project has not been completed at this time; however, we assume minimal cut and/or fill is required to develop final grades.

Civil Engineering Project Reports Document

Daniela Niemeyer



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The Civil Engineering Handbook W.F. Chen,J.Y. Richard Liew,2002-08-29 Providing extensive coverage of all major areas of civil engineering the second edition of this award winning handbook features contributions from leading professionals and academicians and is packed with formulae data tables and definitions vignettes on topics of recent interest and additional sources of information It includes a wealth of material in areas such as coastal engineering polymeric materials computer methods shear stresses in beams and pavement performance evaluation Its wide range of information makes it an essential resource for anyone working in civil structural or environmental engineering

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Table of Contents Civil Engineering Project Reports Document

1. Understanding the eBook Civil Engineering Project Reports Document
 - The Rise of Digital Reading Civil Engineering Project Reports Document
 - Advantages of eBooks Over Traditional Books
2. Identifying Civil Engineering Project Reports Document
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Civil Engineering Project Reports Document
 - User-Friendly Interface
4. Exploring eBook Recommendations from Civil Engineering Project Reports Document
 - Personalized Recommendations
 - Civil Engineering Project Reports Document User Reviews and Ratings
 - Civil Engineering Project Reports Document and Bestseller Lists
5. Accessing Civil Engineering Project Reports Document Free and Paid eBooks
 - Civil Engineering Project Reports Document Public Domain eBooks
 - Civil Engineering Project Reports Document eBook Subscription Services

- Civil Engineering Project Reports Document Budget-Friendly Options
- 6. Navigating Civil Engineering Project Reports Document eBook Formats
 - ePub, PDF, MOBI, and More
 - Civil Engineering Project Reports Document Compatibility with Devices
 - Civil Engineering Project Reports Document Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Civil Engineering Project Reports Document
 - Highlighting and Note-Taking Civil Engineering Project Reports Document
 - Interactive Elements Civil Engineering Project Reports Document
- 8. Staying Engaged with Civil Engineering Project Reports Document
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Civil Engineering Project Reports Document
- 9. Balancing eBooks and Physical Books Civil Engineering Project Reports Document
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Civil Engineering Project Reports Document
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Civil Engineering Project Reports Document
 - Setting Reading Goals Civil Engineering Project Reports Document
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Civil Engineering Project Reports Document
 - Fact-Checking eBook Content of Civil Engineering Project Reports Document
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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