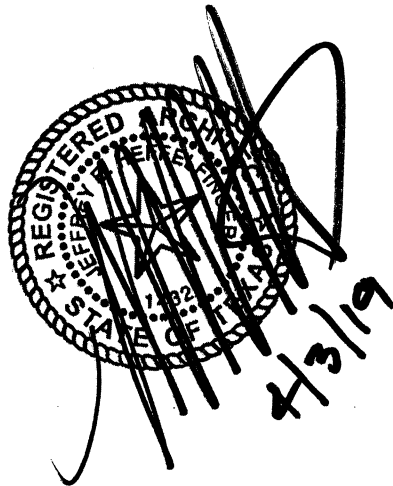


A New Law Enforcement Center for Ochiltree County

511 South Ash Street, Perryton, Texas 79070

PROJECT NUMBER

18-004



APRIL 3, 2019

PROJECT MANUAL

Southwest Architects, Inc.

2921 Lackland Rd • Suite 101A • Fort Worth, Texas 76116 • 817-731-6400 • Fax: 817-731-6402
www.swarchitectsinc.com

SWA

Handwritten scribbles and illegible text, possibly including the word "File" written vertically.

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1015 West Broadway - Fort Worth, Texas 76104
817-332-1944 Fax: 817-336-8620
www.fwna-eng.com

Summit Consultants, Inc.

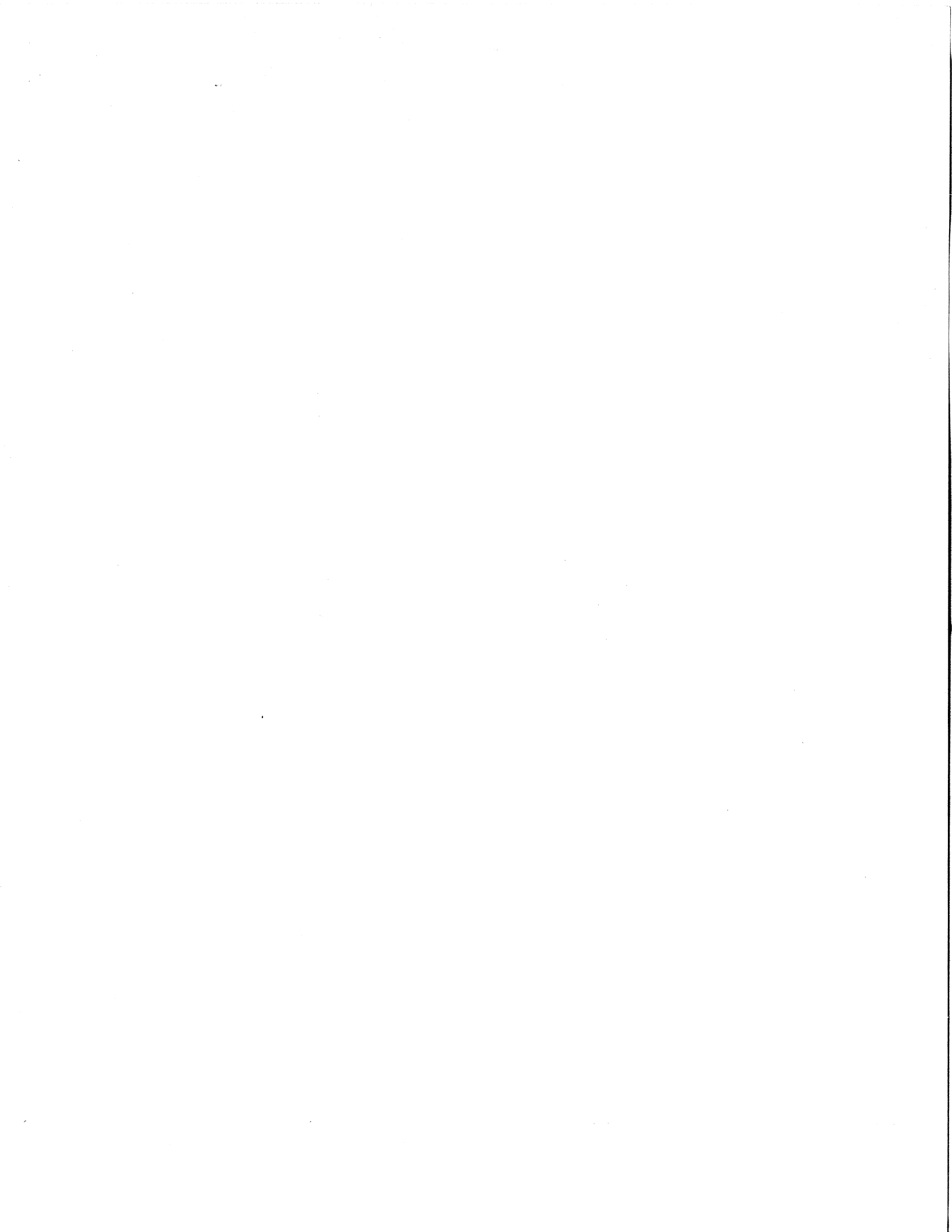
1300 Summit Avenue, Ste 500 - Fort Worth, Texas 76102
817-878-4242 Fax: 817-878-4240
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972-816-2626
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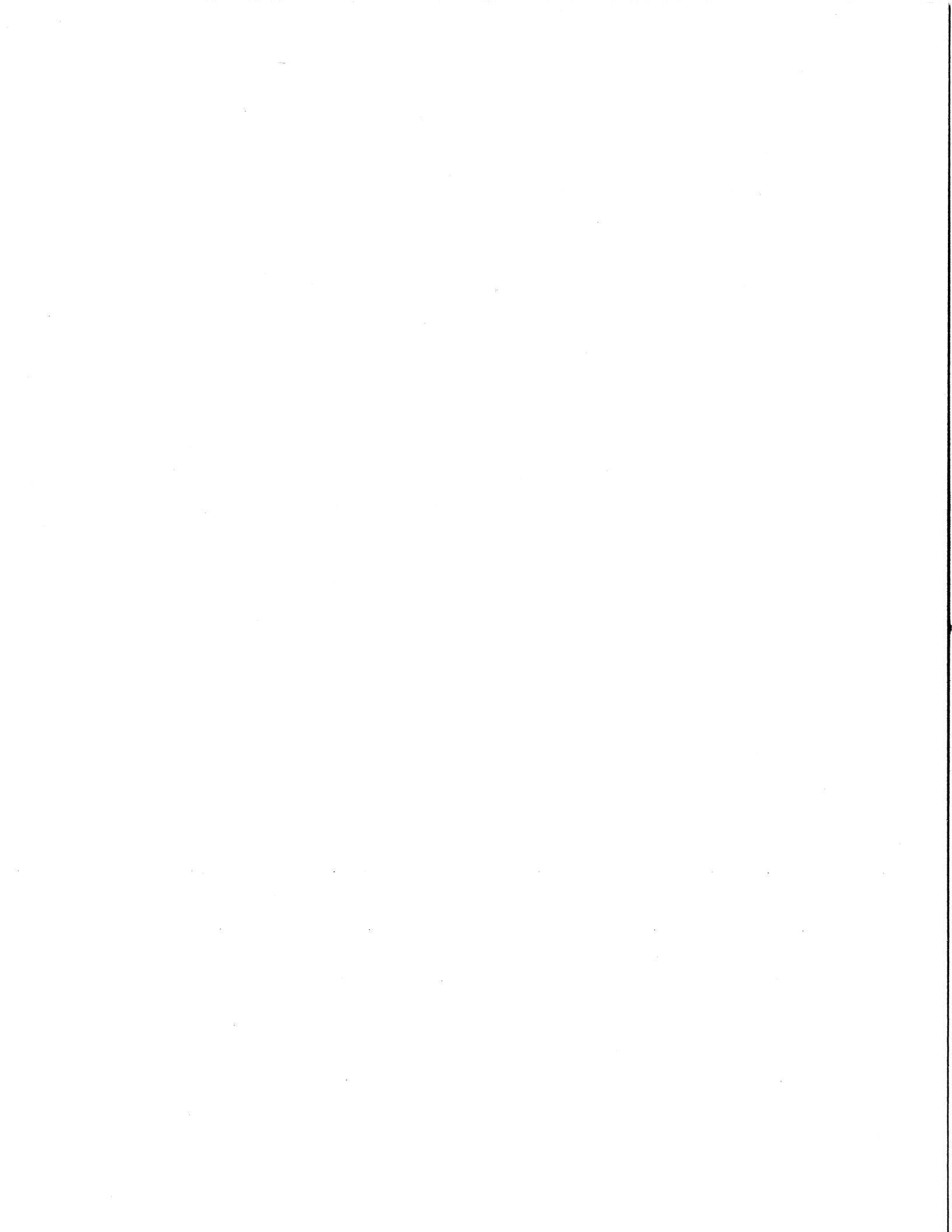
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END OF DOCUMENT 00 01 00



INVITATION TO BID

Southwest General Contractors will be accepting
Subcontractor & Supplier bids for the new

OCHILTREE COUNTY LAW ENFORCEMENT CENTER PERRYTON, TEXAS

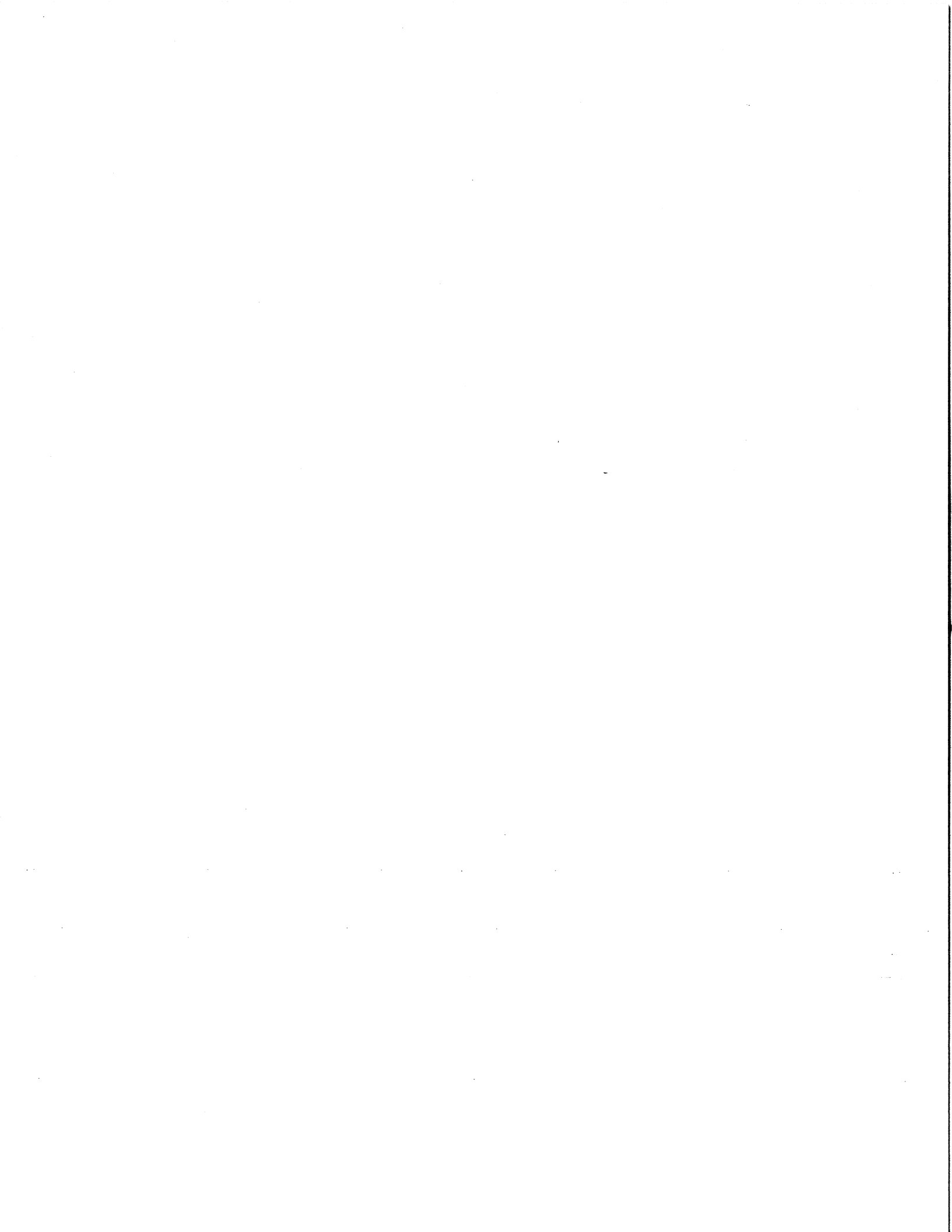
Hand-delivered Bids, E-mailed Bids, Faxed Bids or Bids Delivered
by Common-Carriers will be received at the office of:

Construction Manager At-Risk
Southwest General Contractors
223 SW 4th
Amarillo, Texas 79101
806-374-1050
FAX – 806-374-2003
bids@swgc.net

Until 2:00 PM CDT, Tuesday, April 30, 2019

Contract Documents may be examined beginning Tuesday,
April 9, 2019 at:
Southwest General Contractors (Amarillo) 806-374-1050 or at
www.swgc.net or at the Panhandle AGC Office

Southwest General Contractors is an equal opportunity
employer. All qualified applicants will receive consideration for
employment without regard to race, color, religion, gender or
national origin.



BID FORM

BASE BID:

I. Ochiltree County Law Enforcement Center

\$ _____

ALTERNATES:

I. ADD ALTERNATE NO. 1

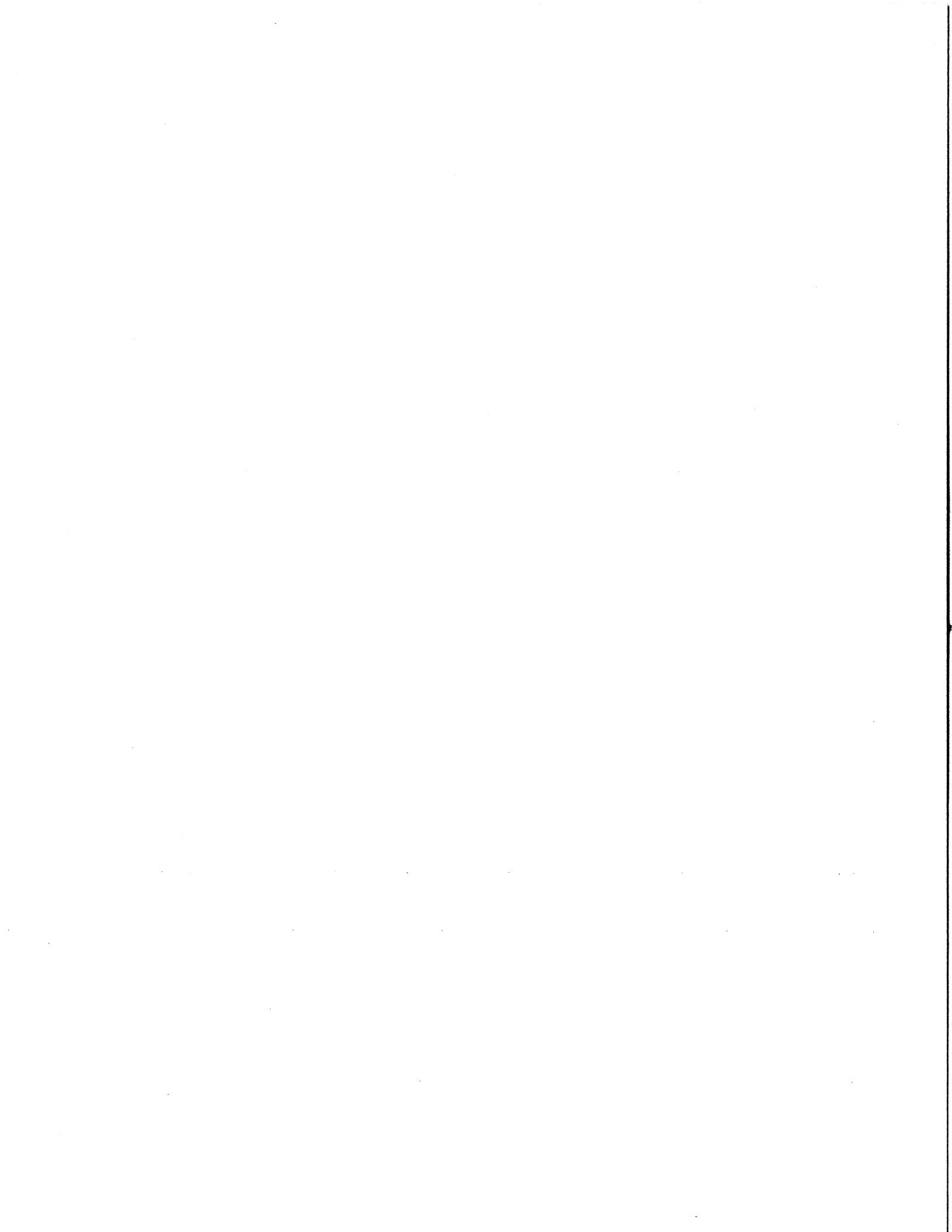
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WE ARE BIDDING SECTION NUMBERS:

SUBCONTRACTOR/VENDOR:

Name

Address



GEOTECHNICAL INVESTIGATION

PROPOSED NEW OCHILTREE LAW ENFORCEMENT FACILITY

**ASH STREET
PERRYTON, OCHILTREE COUNTY, TEXAS**

CLIENT: OCHILTREE COUNTY



**Amarillo Testing & Engineering, Inc.
Consulting Engineers & Materials Testing
1113 N. McMasters St.
Amarillo, Texas 79106
P: (806) 374.2756
F: (806) 374.3277**

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SUPPORTING DOCUMENTATION

SITE LAYOUT
RECORDS OF SUBSURFACE EXPLORATION
POTENTIAL VERTICAL RISE TABLE (PVR)
SEISMIC SOIL PARAMETERS

INTRODUCTION

The objectives for this geotechnical report is to compile adequate subsurface soil condition data in order to obtain a detailed understanding of the engineering and geologic properties of the soil and in some cases rock strata that could impact the foundation design process of the project.

This report is the result of a sub-soil exploration investigation conducted for the proposed new Ochiltree Law Enforcement Center to be located on Ash Street in Perryton, Ochiltree County, Texas.

This investigation includes sub-surface explorations, laboratory testing, and engineer's recommendations concerning soil conditions.

Details of this investigation with recommendations are depicted in this report.

REFERENCES

- “Foundation Analysis and Design” by Joseph E. Bowles
- “Foundation Engineering Handbook” by Robert W. Day
- “Foundation Engineering” by Peck, Hanson, and Thorburn
- “ASTM Standards: Section Four-Construction”
- “International Building Code- 2016”

ASSUMPTIONS

The field and laboratory soil testing appears to indicated consistency regarding the type of soils encountered on the proposed site. The soils encountered throughout this site display similar characteristics. However, in-situ moisture content and stiffness varies with depth at each bore locations. Poor drainage areas would contain slightly higher moisture contents. In contrast, areas were drainage appears to be adequate; the soil stratum is drier and stiffer but friable.

In general terms, all encountered soils are considered cohesive Lean Clays (CL) and, expansive Fat Clays (CH) with varying degree of stiffness and in-situ moisture contents.

This geotechnical report was performed following substantial compliance with the above references, ASTM Field and Laboratory Standards, and prudent geotechnical engineering practices.

SITE DESCRIPTION

The enclosed layout depicts the location of the exploration borings. Typically, in this part of the Panhandle of Texas, the water table is encountered at approximately 200 to 300 feet. However, in some places in Texas weak perched water tables may be encountered at shallow depths. The soil boring data indicates no weak perched water table at this site. The proposed site is relatively flat and is covered with some grassy vegetation.

EXPLORATION, SAMPLING AND FIELD TESTING

This particular subsurface study consisted of a total of six (6) exploration borings. All exploration borings on the proposed building were drilled to a depth of 20 feet. Exploration borings located in the parking areas were drilled to a depth of 5 feet. The drilling phase of this investigation was completed on December 22, 2018.

The drill work was accomplished using a Mobile Drill B-48 Air Rotary Drilling Machine. Exploration boring soil samples were retrieved using a split spoon samples during standard penetration test operations as per ASTM D-1586. Our geotechnical technician recorded and logged all samples retrieved during field samplings. The soils samples were visually characterized according ASTM D-2488 and were prepared for transporting according to ASTM D-4220.

LABORATORY TESTS

All boring soil samples were visually classified and tested to determine the in-situ moisture contents of the soils in the laboratory (ASTM D-2488, ASTM D-2216). Typical samples were selected for Atterberg Limits, and percent finer than #200 sieve tests (ASTM D-4318, ASTM D-1140). Intact split spoon soil samples were tested for approximate unconfined compressive strength using the pocket penetrometer. In addition, intact split spoon samples were tested for approximate unit weight. Several thin walled Shelby push tubes were taken at different depths. These undisturbed samples were tested for their unconfined compressive strength.

SOIL STRATA DESCRIPTION

The soils encountered during our drilling operations consisted of Fat Clay (CH) and Lean Clays (CL).

The enclosed record of subsurface investigation describes in precise detail the soil strata encountered at each exploration boring location (ASTM D-2487).

SOIL MECHANICS

WATER CONTENT TEST

The water content, also known as the moisture content of soils is one of the most common and simplest types of laboratory test. The process involves the wet mass determination of the soil sample. The sample is placed in a drying oven with a temperature of 110 degrees Celsius for a minimum period of 12 to 16 hours, usually overnight. The dry mass is then calculated. The moisture content is determined by subtracting the dry mass from the wet mass and divided the difference by the dry mass. The obtained moisture content values are displayed on the Record of Subsurface Exploration.

TOTAL UNIT WEIGHT

The total density, also known as the wet density should only be obtained from undisturbed soil samples. In this case, intact split spoon soil samples were measured for wet density. By using the water content data, the dry unit weight of the soil sample can be determined. The enclosed Record of Subsurface Exploration contains our calculated dry unit weight (lbs/cf) for the tested soils.