



PO Box 128 • 125 S Second • Odessa, MO 64076  
Phone: (816) 230-5577 • Fax: (816) 633-4985 • www.cityofodessamo.com

### NOTICE OF OPEN MEETINGS

**NOTICE** is hereby given to all citizens and parties in interest that the Odessa Board of Aldermen will meet in Special Session on Thursday, August 25, 2016, at 7:00 pm at Dyer Park Community Building, 601 West Main Street, Odessa, Missouri 64076.

CALL TO ORDER

Mayor Adam Couch

PLEDGE OF ALLEGIANCE

Mayor Adam Couch

ROLL CALL

City Clerk Peggy Eoff

WELCOME TO VISITORS

Mayor Adam Couch

NEW BUSINESS

Motion

Motion for Release of the confidential Attorney-Client Memorandum generated by Joe Lauber of Lauber Municipal Law, LLC during an Independent third party study of the Odessa Police Department

Resolution 2016-22

Resolution of the City of Odessa, Missouri, Authorizing the Mayor to Execute the Police Services Agreement Between the City of Odessa and Lafayette County Missouri and the Lafayette County Sheriff's Department

Resolution 2016-23

Resolution of the City of Odessa, Missouri, Authorizing the Mayor to Execute a Vehicle Lease Agreement in Conjunction with the Police Services Agreement

Resolution 2016-24

Resolution of the City of Odessa, Missouri, Authorizing Change Order NO. 1 for the Johnson Drive Street and Utility Improvements and Authorizing the Mayor to Execute the Change Order

ADJOURN TO CLOSE SESSION

In compliance with RSMO 610.021

1. Legal actions, causes of action or litigation involving a public governmental body and any confidential or privileged communications between a public governmental body or its representatives and its attorneys;
3. Hiring, firing, disciplining or promoting of particular employees by a public governmental body when personal

information about the employee is discussed or recorded...As used in this subdivision, the term "personal information" means information relating to the performance or merit of individual employees;

## ADJOURN

### Upcoming Schedule:

September 19, 2016 – Board of Aldermen Regular Session – 7:00 pm Community Building  
September 15, 2016 – Planning and Zoning Commission Regular Session – 7:00 pm Community Building  
September 26, 2016 – Board of Aldermen Regular Session – 7:00 pm Community Building  
September 27, 2016 – Park Board Meeting – 7:00 pm Community Building  
September 11-14, 2016 – MML Annual Conference – St. Louis, Missouri  
October 17, 2016 – Economic Development – 6:15 pm Trails Regional Library

### **ELECTED OFFICIALS**

	<b>Mayor Adam Couch</b>	acouch@cityofodessamo.com	(816) 661-4837
Ward 1	Alderman John Carmody	jcarmody@cityofodessamo.com	(816) 263-0656
Ward 1	Alderman Steve Lockhart	slockhart@cityofodessamo.com	(816) 263-3939
Ward 2	Alderman Brian Henning	bhenning@cityofodessamo.com	(816) 651-1771
Ward 2	Alderman Steve Wright	swright@cityofodessamo.com	(816) 918-6634
Ward 3	Alderman Ray Harves	rharves@cityofodessamo.com	(816) 524-6311
Ward 3	Alderman Mike Stevens	mstevens@cityofodessamo.com	(816) 674-6222

Posted: August 24, 2016  
Peggy Eoff, City Clerk

Copies of this agenda may be obtained by contacting:  
City Hall (816) 230-5577 Phone | (816) 633-4985 Fax  
or at [www.cityofodessamo.com](http://www.cityofodessamo.com)



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Phone: (816) 230-5577 • Fax: (816) 633-4985 • cityofodessamo.com*

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## **BOARD OF ALDERMEN ACTION REPORT**

August 25<sup>th</sup>, 2016

**ISSUE:** Release of the Confidential Attorney-Client Memorandum generated by Joe Lauber of Lauber Municipal Law, LLC during an independent third-party study of the Odessa Police Department.

**ACTION:** Board of Aldermen approval for the Confidential Attorney-Client Communication (MEMO) To be released as an open record public document.

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**BACKGROUND:** The Lauber Municipal Law, LLC firm was engaged to conduct an independent third-party study of the general operations of the Odessa Police Department. The initial task was to focus on the Management of the Department. Management being defined as Chief of Police and (2) Sergeants. The process included individual interviews and dialogue sessions lead by Joe Lauber.

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**FINANCIAL CONSIDERATIONS:** N/A

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**ATTACHMENTS:** None

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Prepared by: Mickey Ary – City Administrator

Date: August 24<sup>th</sup>, 2016



**RESOLUTION 2016-22**

**RESOLUTION OF THE CITY OF ODESSA, MISSOURI,  
AUTHORIZING THE MAYOR TO EXECUTE THE POLICE SERVICES AGREEMENT BETWEEN  
THE CITY OF ODESSA AND LAFAYETTE COUNTY, MISSOURI AND THE LAFAYETTE  
COUNTY SHERIFF'S DEPARTMENT**

**WHEREAS**, the City has entered into a Police Services Agreement with Lafayette County, Missouri and the Lafayette County Sheriff's Department (attached as Exhibit A);

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF ODESSA, MISSOURI AS FOLLOWS:**

Section 1. That the Board of Aldermen authorize the Mayor to sign the Police Services Agreement with Lafayette County, Missouri and the Lafayette County Sheriff's Department (attached as Exhibit A.)

**APPROVED AND PASSED** by the Board of Aldermen of the City of Odessa, this 25<sup>th</sup> day of August, 2016.

(SEAL)

By: \_\_\_\_\_  
Adam R. Couch, Mayor

ATTEST:

By: \_\_\_\_\_  
Peggy Eoff, City Clerk

# POLICE SERVICES AGREEMENT

**THIS AGREEMENT** is entered into by and between the City of Odessa, Missouri (hereafter called "City"), Lafayette County, Missouri (hereafter called "County") and the Lafayette County Sheriff Department (hereafter called "Sheriff" or "Sheriff's Department") and collectively referred to as the "Parties".

**WHEREAS**, the City wishes to be provided, and pay for, law enforcement services to include police protection services, patrols and traffic supervision in accordance with the City's Code of Ordinances (Chapter 2 "Police Code"), and

**WHEREAS**, the City has duly enacted and approved Resolution No. 2016-22, a copy of which is attached hereto and not part hereof, authorizing the Mayor and City Clerk to execute this Agreement to discontinue the maintenance of its existing City's police department as of the Effective Date of this Agreement, and

**WHEREAS**, the County and Sheriff wish to receive funding from the City for providing police protection and enforcement of the City's ordinances and regulations,

**HEREFORE**, the Parties mutually agree to the following terms and conditions:

1. This Agreement shall have an Effective Date of August 25, 2016 and will remain in full effect for a term ("Initial Period") of two (2) years. At least one hundred and eighty (180) days prior to the termination of the Initial Period, the Parties will begin discussions on the continuation or termination of this Agreement with final agreement between Parties at least ninety (90) days prior to the end of the Initial Period. Any Party may elect to discontinue this Agreement past the Initial Period with ninety (90) day written notice.
2. Services provided by the Sheriff and/or County shall include, but not be limited to:
  - a. The Sheriff will oversee a full-staff (hereafter called Deputies) as follows who are assigned and dedicated to provide services to the City:
    - i. One (1) Lieutenant
    - ii. One (1) Sergeant
    - iii. Seven (7) Officers
  - b. In addition, the Sheriff may elect to employ part-time Deputies as necessary in order to maintain coverage deemed in Item C below.
  - c. The Sheriff shall seek to provide law enforcement coverage of at least two (2) Deputies or other adequate coverage.
  - d. The Sheriff shall have the exclusive right to determine the makeup of the staff.
  - e. Deputies will remain exclusive employees of the Sheriff and subject to all Sheriff Department personnel policies. The Deputies will not be subject to the City's personnel policies, and shall not be deemed, for City purposes, to be employees of the City.
  - f. The Sheriff shall budget, and County will provide funds for the expenses relating to equipment such as body armor in addition to providing for the direct compensation of salaries and wages to the Deputies. The City will pay for insurance of vehicles, employees and liability each year separate from the Agreement in the amount of \$14,596 per year payable upon execution of this Agreement and anniversary.

- g. Basic training as required by the Sheriff shall be at the sole expense of the County. Any advanced training shall be agreed to in advance between the Sheriff and the City and costs shall be borne by the City.
  - h. The Sheriff may elect, but not be obligated, to respond to barking dogs, grass nuisances or items related to planning and zoning.
3. The City, in addition to the compensation set forth in Paragraph 4, shall provide support to the Sheriff, including:
- a. The City shall provide office area to file reports, conduct interviews and perform other law enforcement functions.
  - b. The City shall provide office space with computers, telephones and other typical ancillary office equipment at the present Police Department location.
  - c. The City shall lease to the County five (5) patrol vehicles, except for one (1) 2001 Ford pickup equipped with animal cage that will continue to be utilized for Animal Control purposes by remaining City staff. Such lease shall be at a cost of one dollar (\$1) per year per vehicle with such Lease the subject of a separate Agreement.
  - d. In the event that the City and Sheriff agree that a vehicle should be replaced either due to normal attrition or accident, the City will purchase a replacement vehicle (net of any insurance proceeds the County may receive) and include as one of the vehicles leased.
  - e. The City will provide gas credit cards in each vehicle with the Lieutenant verifying purchases and approval of gas card invoice.
  - f. The City will be responsible for all normal vehicle maintenance and upkeep required to include tires, radios or other costs typically incurred except those otherwise covered by insurance.
  - g. The City shall continue to maintain a Clerk and conduct municipal court. Including the employment of a Court Clerk.
  - h. The City shall be responsible for costs associated with boarding prisoners sentenced under violations of municipal ordinances, as well as costs associated with the boarding of defendants and/or prisoners held on Odessa Municipal warrants
  - i. The City will continue to provide 911 and dispatching services.
4. Financial Terms:
- a. The Parties agree the Sheriff will provide the staff and services described above to the City at a fixed monthly rate for the initial period of this Agreement of \$41,926. All costs associated with reserve or part-time officers will be billed as incurred and are in addition to this monthly rate. Payment of such amounts shall be due from the City by the 10<sup>th</sup> calendar day of the following month of activity.
  - b. Any unusual or extraordinary costs not otherwise covered or easily contemplated shall be reviewed with the City prior to their incurrence and mutually agreed upon. If this is not practicable, notice shall be given at the earliest possible time by the Sheriff or County to the City.

5. Other Items:

- a. Notice to any Party shall be given by delivery or mailing the same to the City Clerk, in the case of the City, to the County Clerk, in the case of the County, and to the Sheriff, in the case of the Sheriff.
- b. In the event of any changes in personnel or assignments, the Sheriff shall notify the City.

This Agreement is hereby executed in triplicate on the dates indicated,

LAFAYETTE COUNTY SHERIFF

LAFAYETTE COUNTY, MISSOURI

\_\_\_\_\_

\_\_\_\_\_

Attest:

\_\_\_\_\_

CITY OF ODESSA, MISSOURI

\_\_\_\_\_

Attest:

\_\_\_\_\_



**RESOLUTION 2016-23**

**RESOLUTION OF THE CITY OF ODESSA, MISSOURI,  
AUTHORIZING THE MAYOR TO EXECUTE A VEHICLE LEASE  
AGREEMENT IN CONJUNCTION WITH THE POLICE SERVICES AGREEMENT**

**WHEREAS**, the City has entered into a Vehicle Lease Agreement with Lafayette County, Missouri, and the Lafayette County Sheriff's Department in conjunction with the Police Services Agreement dated August 25, 2016, providing the lease of the City's five patrol vehicles;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF ODESSA, MISSOURI AS FOLLOWS:**

Section 1. That the Board of Aldermen authorize the Mayor to lease the above described items to the Lafayette County Sheriff Department for use in the performance of the Police Services Agreement.

**APPROVED AND PASSED** by the Board of Aldermen of the City of Odessa, this 25th day of August, 2016.

(SEAL)

By: \_\_\_\_\_  
Adam R. Couch, Mayor

ATTEST:

By: \_\_\_\_\_  
Peggy Eoff, City Clerk

# VEHICLE LEASE AGREEMENT

This **LEASE AGREEMENT** (the "Lease") is entered into by and between the City of Odessa, Missouri (hereafter called "City"), Lafayette County, Missouri (hereafter called "County") and the Lafayette County Sheriff Department (hereafter called "Sheriff" or "Sheriff's Department") and collectively referred to as the "Parties".

## Article 1

### PROPERTY LEASED / USE OF PROPERTY

The City hereby leases to the County, for use by the Sheriff, five patrol vehicles currently owned and operated by the City as of the date of this Agreement. These vehicles shall be used by the Sheriff's Department in execution of the **Police Services Agreement** by and between the same Parties and executed separately.

## Article 2

### RENTAL

Upon execution of this Lease, the County shall pay to the City an annual lease rental of \$1 per year per vehicle. Subsequent annual lease rentals will become payable on the anniversary date(s) of this Agreement. If a vehicle is replaced during a year, the lease rental previously received will apply equally to the replacement.

## Article 3

### TERM

This lease is effective upon execution by all Parties and will remain in effect under the same terms as the **Police Services Agreement**.

## Article 4

### MAINTENANCE OF VEHICLES

All related vehicle maintenance, replacement, insurance or any other item will be performed per the terms of the **Police Services Agreement**.

This Agreement is hereby executed in triplicate on the dates indicated,

LAFAYETTE COUNTY SHERIFF

LAFAYETTE COUNTY, MISSOURI

\_\_\_\_\_

\_\_\_\_\_

Attest:

\_\_\_\_\_

CITY OF ODESSA, MISSOURI

\_\_\_\_\_

Attest:

\_\_\_\_\_



**RESOLUTION 2016-24**

**RESOLUTION OF THE CITY OF ODESSA, MISSOURI,  
AUTHORIZING CHANGE ORDER NO. 1 FOR THE JOHNSON DRIVE STREET AND UTILITY  
IMPROVEMENTS AND AUTHORIZING THE MAYOR TO EXECUTE THE CHANGE ORDER**

**WHEREAS**, the City has issued a construction contract for the Johnson Drive Street and Utility Improvements, located in Odessa, Missouri to KAT Excavation, Inc.; and

**WHEREAS**, the City and KAT Excavation, Inc. have agreed to make certain changes in the work as described in Change Order No. 1; and

**WHEREAS**, the Missouri Community Development Block grant program has reviewed the proposed changes in work and approved said changes; and

**WHEREAS**, KAT Excavation, Inc. possesses the expertise and experience necessary to complete the changes in the changes in the work; and

**WHEREAS**, it has been recommended by the City staff and Engineer to make the changes in the work as Described in Change Order No 1;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF ODESSA, MISSOURI, AS FOLLOWS:**

SECTION 1. The Mayor is authorized to sign Change Order No. to KAT Excavation, Inc. in the amount of \$25,013.48.

SECTION 2. This resolution shall be effective immediately upon passage.

**APPROVED AND PASSED** by the Board of Aldermen of the City of Odessa, Missouri, this 25th day of August, 2016.

(SEAL)

By: \_\_\_\_\_  
Adam R. Couch, Mayor

ATTEST:

By: \_\_\_\_\_  
Peggy Eoff, City Clerk

**CONTRACT CHANGE ORDER**

Contractor's  
Change Order No. 1

Odessa, Missouri of Lafayette, County  
(Owner) State of Missouri  
To: KAT Excavation, Inc. for Johnson Drive - Dryden Street to Main Street  
(Contractor) (Section of Project)

you are hereby directed to make the following changes:

- I. Description, location and reason for change of each item and effect on completion time.  
Reduce sanitary sewer rehabilitation work that has been completed prior to contract. Stabilize subgrade. No Change to completion time.
- II. Cost of work affected by this change order. (Modify for Lump-Sum contract)

(A) Item No.	(B) Item Description	(C) Units Provided For	(D) Units To Be Built	(E) Units Add or Deduct	(F) Contract or Unit Price	(G) Amount Added	(H) Amount Deducted
5	Compacted Subgrade (6")	4,170 SY	0 SY	(4,170 SY)	\$2.00		(\$8,340)
50	Existing Pipe Lining (8")	985 LF	0 LF	(985 LF)	\$37.00		(\$36,445)
51	Existing Manhole Lining (4')	30 VF	0 VF	(30 VF)	\$142.00		(4,260.00)
52	Existing Manhole Lining (5')	9 VF	0 VF	(9 VF)	\$168.00		(\$1,512.00)
67	Subgrade Removal with 8" Type 5 Base w/Geogrid	0 LS	1 LS	1 LS		\$68,727.48	
68	Remove and Replace unsuitable soil with Type 5 Aggregate	0 CY	100 CY	100 CY	\$58.43	\$5,843.00	
<b>TOTALS</b>						\$75,570.48	(\$50,557)

- |    |  |              |               |
|----|--|--------------|---------------|
| 1. | Original Contract Amount                       | \$ 769,876   |               |
| 2. | Add or Deduct This Order (G-H of Totals)       | \$ 25,013.48 |               |
| 3. | Add or Deduct Previous (Line 4 on Prev. Order) | \$ 0         |               |
| 4. | Total Add or Deduct to Date (2+3)              |              | \$ 25,013.48  |
| 5. | Revised Contract Amount (1+4)                  |              | \$ 794,889.48 |

III. [Signature] \_\_\_\_\_ Date [Signature] \_\_\_\_\_ Date 8-24-16  
CONSULTANT (Arch. or Engr.) Contractor  
Owner \_\_\_\_\_ Date \_\_\_\_\_ Date

\* Change Order is subject to all provisions of the contract documents and is not in effect unless signed by all parties indicated.



**August 19, 2016**

VIA ELECTRONIC MAIL  
[Dan.Miller@LRA-Inc.com](mailto:Dan.Miller@LRA-Inc.com)

Larkin Lamp Rynearson ("LRA")  
9200 Ward Parkway, Suite 200  
Kansas City, MO 64114

Attn: Mr. Dan Miller  
Re: Street and Utility Improvements  
Johnson Drive – Dryden Street to Main Street  
LRA Project #: 0315026.01 ("Project")  
**Change Request #01 – Pavement Subgrade Improvements – R1**

Dear Mr. Miller,

KAT Excavation, Inc. ("KAT") received a "Request for Quote" from LRA on August 19, 2016 regarding an option to improve the subgrade for the Project for consideration by the City of Odessa ("Owner"). This option includes removal of the subgrade and replacing with 8" of MODOT Type 5 Base and a Geogrid.

If the option proposed by the Engineer is found acceptable, KAT request a Contract Price increase from the Owner for this Project. For supporting information, please refer to Exhibits A, which are attached to this letter.

**Item 1: Subgrade Removal with 8" Type 5 Base w/Geogrid**

Cost of Work = \$59,453.22

- Subgrade Removal x 932 CY @ \$4.00/CY = \$3,728.00
- Haul Off, Load, and Knock Down x 932 CY @ \$10.21/CY = \$9,515.72
- Geogrid x 4,175.00 x \$2.00/SY = \$8,350.00
- 8" of Type 5 Base Installation x 1,865 TN @ \$20.30/TN = \$37,859.50

Contractor Fee = 15% = \$8,917.98

Bond Fee = 2 % = \$356.28

**Option 3 Total = \$59,453.22 + \$8,917.98 + \$356.28 = \$68,727.48**

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**CHANGE REQUEST TOTAL: \$68,727.48**

**DAYS TO CONTRACT: 0 Days**

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## **NOTES AND EXCLUSIONS**

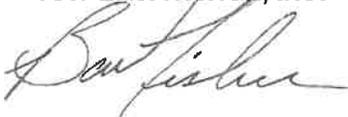
### **Notes:**

1. If additional unsuitable soils are found and required to be removed and replaced beyond or below the subgrade improvement option; please **ADD: \$58.43/CY.**
2. Onsite water source to be provided by the Owner at no additional costs to the Contractor for the Project.
3. Time is of the essence for approval, there is still considerable work remaining prior to the Asphalt Season ending for placement.

**Exclusions:** *Taxes; Relocating of Existing Utilities; Handling of any Hazardous Materials; Removal and/or Replacement of any Unsuitable Soils below proposed Subgrade; No Offsite Hauling of Water; and anything not specially listed as included above is excluded.*

KAT will await a response from Larkin Lamp Rynearson, Inc. and/or the City of Odessa. In the interim, if you have any questions or comments, please feel free to contact me at 816-690-4611.

Sincerely,  
**KAT EXCAVATION, INC.**



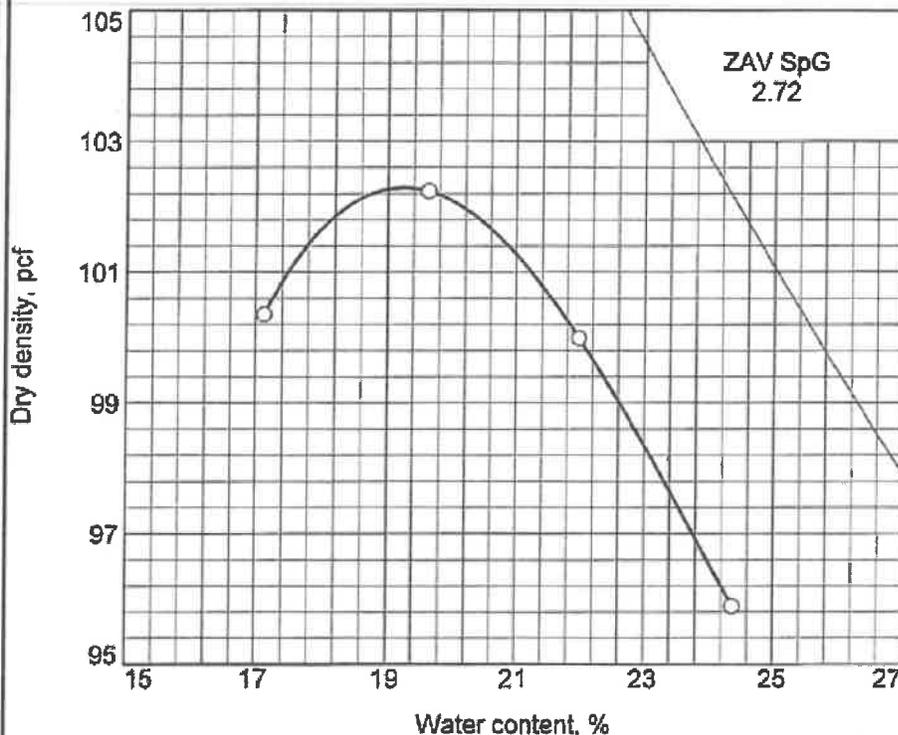
Bart Fisher  
Senior Project Manager

Cc: Mr. Steve Bailey  
(with enclosures and attachments)

# MOISTURE DENSITY RELATIONSHIP REPORT

# A

Curve No.



**Test Specification:**  
ASTM D 698-12 Method B Standard

Preparation Method Wet  
 Hammer Wt. 5.5 lb.  
 Hammer Drop 12 in.  
 Number of Layers three  
 Blows per Layer 25  
 Mold Size 0.03333 cu. ft.

Test Performed on Material  
 Passing 3/8 in. Sieve

NM      LL 41 PI 18

Sp.G. (ASTM D 854)     

%>3/8 in.      %<No.200     

USCS      AASHTO     

Date Sampled 8/5/16

Date Tested 8/8/16

Tested By DC

### TESTING DATA

	1	2	3	4	5	6
WM + WS	4110.0	4105.0	4064.0	4038.0		
WM	2261.0	2261.0	2261.0	2261.0		
WW + T #1	368.9	354.5	345.4	366.8		
WD + T #1	309.8	292.2	279.4	314.4		
TARE #1	8.7	8.8	8.6	8.4		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	19.6	22.0	24.4	17.1		
DRY DENSITY	102.2	100.0	95.9	100.4		

### TEST RESULTS

Maximum dry density = 102.3 pcf

Optimum moisture = 19.2 %

Project No. 216098C Client: KAT Excavation, Inc.

Project: Johnson Drive Improvement Project

Source of Sample: .008 Bulk Sample

**KRUGER TECHNOLOGIES, INC.**

**LENEXA, KS**

### Material Description

Black Lean clay, Sampled at Sta. 8+50

### Remarks:

KTI Report No.216098C.008

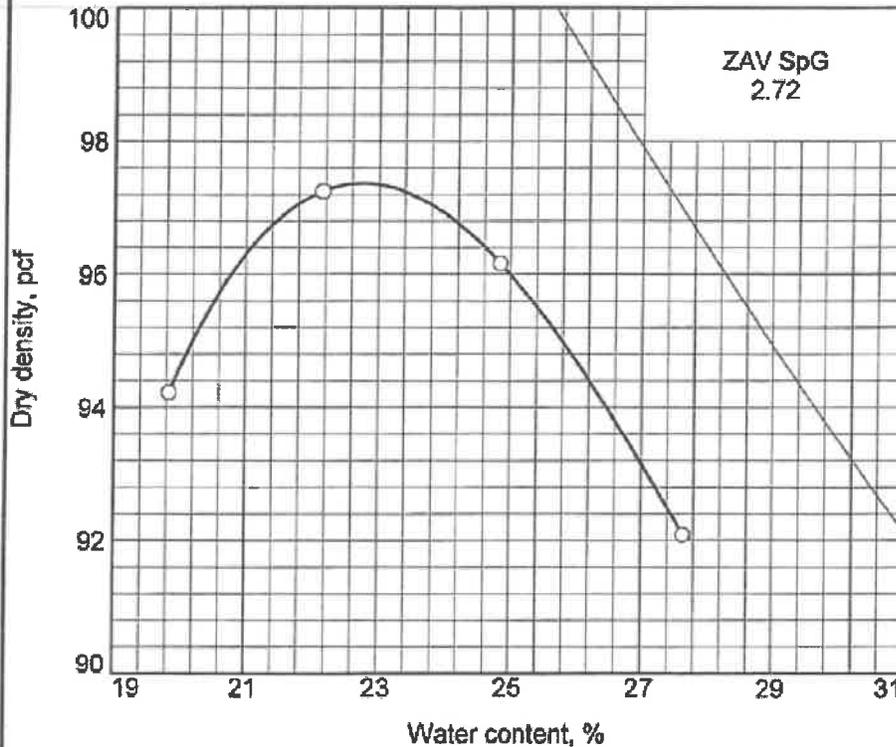
Checked by: TMA

Title: Laboratory Manager

*Tad M. Anderson*  
Figure

# MOISTURE DENSITY RELATIONSHIP REPORT

Curve No. \_\_\_\_\_



**Test Specification:**  
ASTM D 698-12 Method B Standard

Preparation Method Wet  
 Hammer Wt. 5.5 lb.  
 Hammer Drop 12 in.  
 Number of Layers three  
 Blows per Layer 25  
 Mold Size 0.03333 cu. ft.

Test Performed on Material  
 Passing 3/8 in. Sieve

NM \_\_\_\_\_ LL 63 PI 41

Sp.G. (ASTM D 854) \_\_\_\_\_

%>3/8 in. \_\_\_\_\_ %<No.200 \_\_\_\_\_

USCS \_\_\_\_\_ AASHTO \_\_\_\_\_

Date Sampled 8/5/16

Date Tested 8/8/16

Tested By DC

### TESTING DATA

	1	2	3	4	5	6
WM + WS	3968.0	4057.0	4076.0	4038.0		
WM	2261.0	2261.0	2261.0	2261.0		
WW + T #1	304.3	314.5	308.2	312.4		
WD + T #1	255.4	259.0	248.6	246.6		
TARE #1	8.8	8.5	8.7	8.5		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	19.8	22.2	24.8	27.6		
DRY DENSITY	94.2	97.3	96.2	92.1		

### TEST RESULTS

Maximum dry density = 97.4 pcf

Optimum moisture = 22.7 %

Project No. 216098C Client: KAT Excavation, Inc.

Project: Johnson Drive Improvement Project

Source of Sample: .009 Bulk Sample

**KRUGER TECHNOLOGIES, INC.**

**LENEXA, KS**

### Material Description

Yellow brown fat clay, Sampled at Sta. 6+00

#### Remarks:

KTI Report No.216098C.009

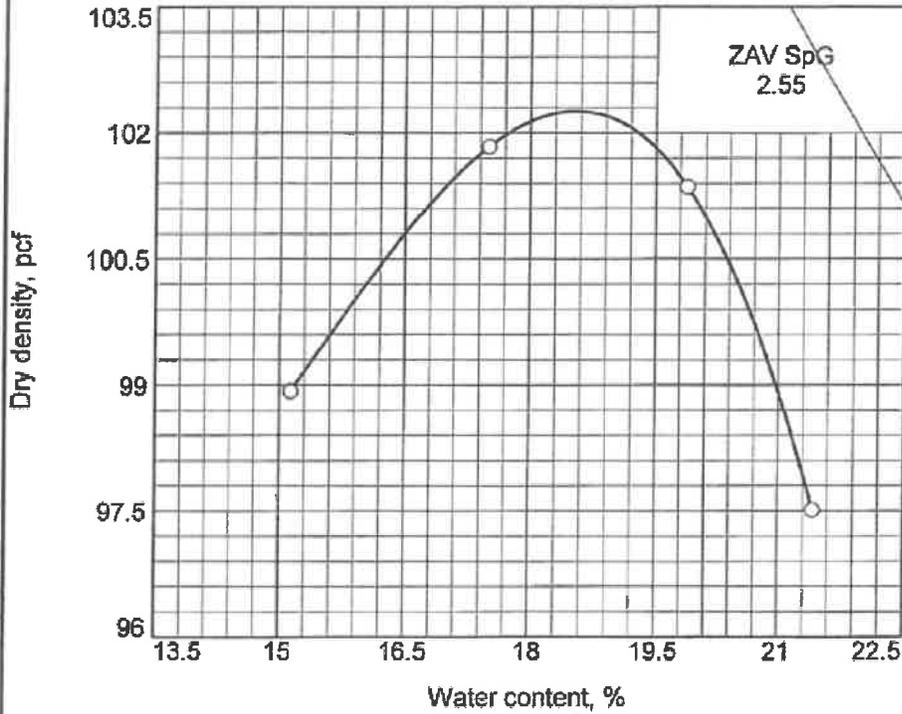
Checked by: TMA

Title: Laboratory Manager

*TMA*  
Figure

# MOISTURE DENSITY RELATIONSHIP REPORT

Curve No. \_\_\_\_\_



**Test Specification:**  
ASTM D 698-12 Method B Standard

Preparation Method Wet  
 Hammer Wt. 5.5 lb.  
 Hammer Drop 12 in.  
 Number of Layers three  
 Blows per Layer 25  
 Mold Size 0.03333 cu. ft.

Test Performed on Material  
 Passing 3/8 in. Sieve

NM \_\_\_\_\_ LL 40 PI 20

Sp.G. (ASTM D 854) \_\_\_\_\_

%>3/8 in. \_\_\_\_\_ %<No.200 \_\_\_\_\_

USCS \_\_\_\_\_ AASHTO \_\_\_\_\_

Date Sampled 8/5/16

Date Tested 8/8/16

Tested By DC

### TESTING DATA

	1	2	3	4	5	6
WM + WS	3983.0	4070.0	4098.0	4051.0		
WM	2261.0	2261.0	2261.0	2261.0		
WW + T #1	395.3	385.9	368.7	348.6		
WD + T #1	344.5	329.7	309.0	288.6		
TARE #1	8.9	8.6	8.7	8.5		
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	15.1	17.5	19.9	21.4		
DRY DENSITY	98.9	101.8	101.4	97.5		

### TEST RESULTS

Maximum dry density = 102.3 pcf

Optimum moisture = 18.5 %

Project No. 216098C Client: KAT Excavation, Inc.

Project: Johnson Drive Improvement Project

Source of Sample: .010 Bulk Sample

**KRUGER TECHNOLOGIES, INC.**

LENEXA, KS

### Material Description

Black lean clay, sampled at Sta. 4+00

#### Remarks:

KTI Report No.216098C.010

Checked by: TMA

Title: Laboratory Manager

*TMA*  
Figure