

REPORT OF MOISTURE-DENSITY RELATIONS

CLIENT: REDFORD CONSTRUCTION, INC.
ATTN: THOMAS HUDGENS
P. O. BOX 1065
RAYMORE MO 64083

PAGE 1 OF 1

PROJECT: MANOR @ STONY CK PH 3
LEE'S SUMMIT MO

PROJECT NO.: R20-18-146
REPORT NO.: K24510
DATE OF SERVICE: 06/26/2018
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 07/10/2018

SERVICES: Obtain sample of material used for construction, prepare samples and perform moisture-density relations test to establish the maximum density and optimum moisture of the material.

PROJECT DATA

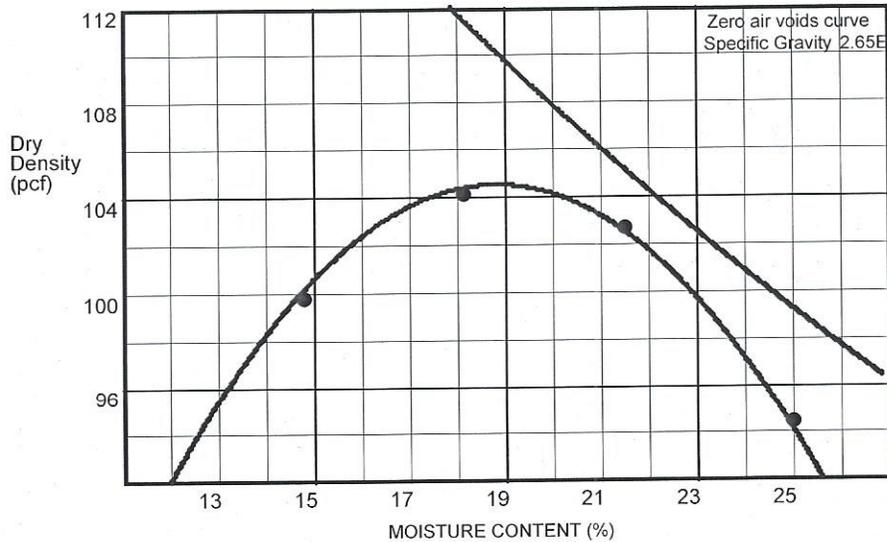
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 06/26/2018
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: SW GEORGETOWN AND
SW ALABASTER -2' TO -6'

TEST DATE: 07/10/2018
MATERIAL:
LIGHT BROWN SILTY CLAY

MATERIAL PREPARATION METHOD: Moist
CLASSIFICATION: CL

RAMMER TYPE: Manual
METHOD OF TEST: ASTM D698, Method A
ASTM D4318, Proc. A

REPORT OF TESTS



MAXIMUM DENSITY, PCF: 104.5
OPTIMUM MOISTURE (%): 18.9

LIQUID LIMIT: 34
PLASTIC LIMIT: 16
PLASTICITY INDEX: 18

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH

Report Distribution:

- (1) THOMAS@REDFORDCONSTRUCTION.COM
- (1) TOM.CHANDLER@CITYOFLS.NET
- (1) TRAVIS@SUMMITHOMESKC.COM

KANSAS CITY TESTING & ENGINEERING,

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our written approval. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identical or similar products.

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PAGE 1 OF 1

PROJECT: MANOR @ STONY CK PH 3
LEE'S SUMMIT MO

PROJECT NO.: R20-18-146
REPORT NO.: K24531
DATE OF SERVICE: 06/26/2018
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 07/10/2018

SERVICES: Obtain sample of material used for construction, prepare samples and perform moisture-density relations test to establish the maximum density and optimum moisture of the material.

PROJECT DATA

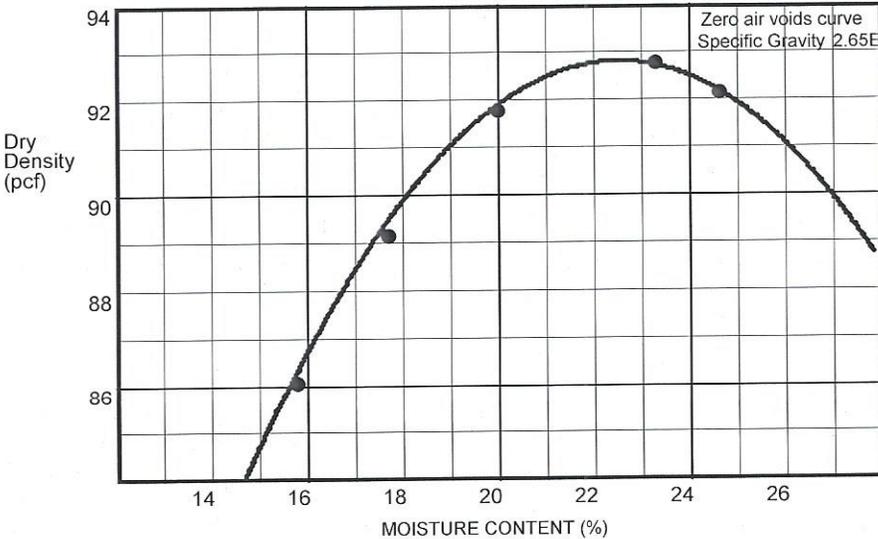
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 06/26/2018
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: SW GEORGETOWN AND
SW ALABASTER -0' TO -3'
MATERIAL PREPARATION METHOD: Moist

TEST DATE: 07/10/2018
MATERIAL:
GRAY-BROWN SILTY CLAY

RAMMER TYPE: Manual
METHOD OF TEST: ASTM D698, Method A
ASTM D4318, Proc. A

CLASSIFICATION: CL

REPORT OF TESTS



MAXIMUM DENSITY, PCF: 92.8
OPTIMUM MOISTURE (%): 22.7

LIQUID LIMIT: 33
PLASTIC LIMIT: 21
PLASTICITY INDEX: 12

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH

Report Distribution:

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KANSAS CITY TESTING & ENGINEERING,

Doug Arth

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PAGE 1 OF 1

PROJECT: MANOR @ STONY CK PH 3
LEE'S SUMMIT MO

PROJECT NO.: R20-18-146
REPORT NO.: K24532
DATE OF SERVICE: 06/26/2018
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 07/10/2018

SERVICES: Obtain sample of material used for construction, prepare samples and perform moisture-density relations test to establish the maximum density and optimum moisture of the material.

PROJECT DATA

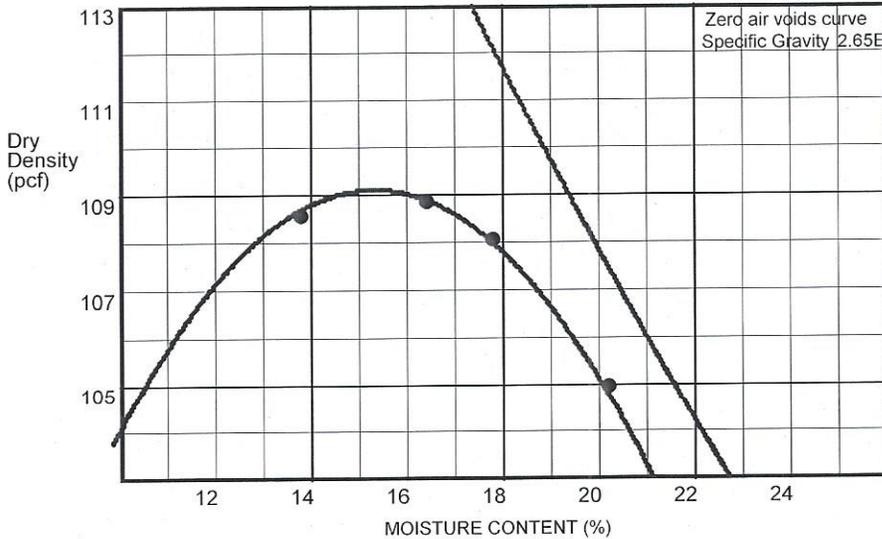
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 06/26/2018
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: NORTH DETENTION BASIN
-0' TO -3'

TEST DATE: 07/10/2018
MATERIAL:
LIGHT BROWN LOESS

MATERIAL PREPARATION METHOD: Moist
CLASSIFICATION: ML

RAMMER TYPE: Manual
METHOD OF TEST: ASTM D698, Method A
ASTM D4318, Proc. A

REPORT OF TESTS



MAXIMUM DENSITY, PCF: 109.1
OPTIMUM MOISTURE (%): 15.4

LIQUID LIMIT: 34
PLASTIC LIMIT: 26
PLASTICITY INDEX: 8

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH

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