KANSAS CITY TESTING & ENGINEERING, LLC

Kansas City Testing & Engineering, LLC
1308 Adams Street
Kansas City, KS 66103
Phone 913.321.8100
Fax 913.321.8181

REPORT OF MOISTURE-DENSITY RELATIONS

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

PROJECT NO.: R20-17-165
REPORT NO.: K19187
DATE OF SERVICE: 08/12/2017
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 08/22/2017

PROJECT: MANOR @ STONY CREEK
2ND PLAT
LEE'S SUMMIT MO

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

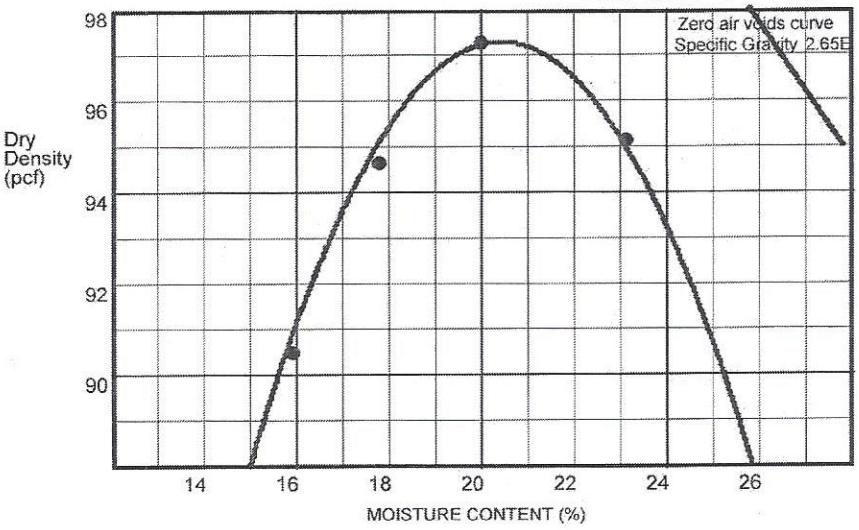
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 08/12/2017
SAMPLED BY: BEN WILMES
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: EAST CUT AREA LOT 48

TEST DATE: 08/22/2017
MATERIAL:
DARK GRAY 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: 97.3
OPTIMUM MOISTURE (%): 20.6

LIQUID LIMIT: 41
PLASTIC LIMIT: 21
PLASTICITY INDEX: 20

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH

Report Distribution:
(1) THOMAS@REDFORDCONSTRUCTION.COM

KANSAS CITY TESTING & ENGINEERING,

DOUG VARTH, R.G.
REGISTERED GEOLOGIST

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REPORT OF MOISTURE-DENSITY RELATIONS

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

PROJECT: MANOR @ STONY CREEK
2ND PLAT
LEE'S SUMMIT MO

PROJECT NO.: R20-17-165
REPORT NO.: K18944
DATE OF SERVICE: 08/01/2017
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 08/07/2017

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

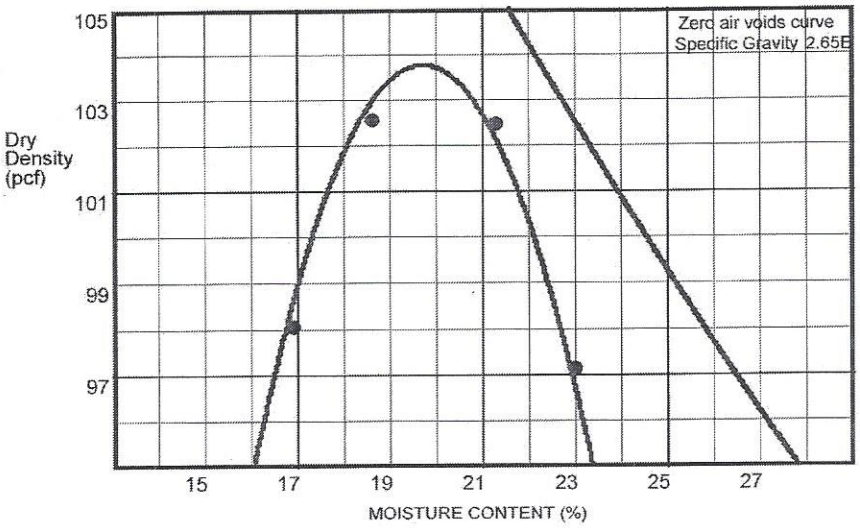
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 08/01/2017
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: STORM SEWER LINE U

TEST DATE: 08/07/2017
MATERIAL:
BROWN SILTY CLAY

MATERIAL PREPARATION METHOD: Moist
CLASSIFICATION: CH

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

REPORT OF TESTS



MAXIMUM DENSITY, PCF: 103.7
OPTIMUM MOISTURE (%): 19.9

LIQUID LIMIT: 51
PLASTIC LIMIT: 20
PLASTICITY INDEX: 31

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH

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REPORT OF MOISTURE-DENSITY RELATIONS

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

PROJECT NO.: R20-17-165
REPORT NO.: K18707
DATE OF SERVICE: 07/19/2017
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 07/31/2017

PROJECT: MANOR @ STONY CREEK
2ND PLAT
LEE'S SUMMIT MO

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

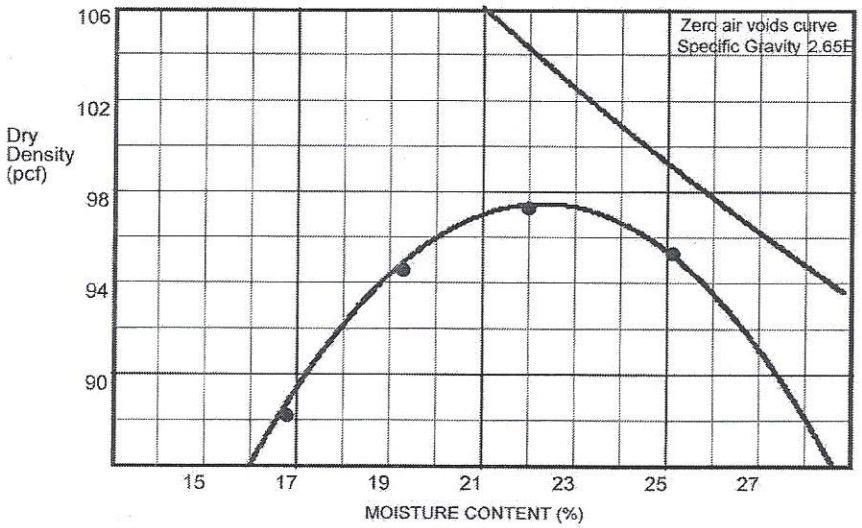
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 07/16/2017
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: EAST CUT AREA

TEST DATE: 07/31/2017
MATERIAL:
GRAY-BROWN SILTY CLAY

MATERIAL PREPARATION METHOD: Moist
CLASSIFICATION: CH

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

REPORT OF TESTS



MAXIMUM DENSITY, PCF: 97.4
OPTIMUM MOISTURE (%): 22.4

LIQUID LIMIT: 52
PLASTIC LIMIT: 23
PLASTICITY INDEX: 29

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH
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CLIENT: REDFORD CONSTRUCTION, INC.
ATTN: THOMAS HUDGENS
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PROJECT NO.: R20-17-165
REPORT NO.: K18706
DATE OF SERVICE: 07/19/2017
AUTHORIZATION: THOMAS HUDGENS
REPORT DATE: 07/27/2017

PROJECT: MANOR @ STONY CREEK
2ND PLAT
LEE'S SUMMIT MO

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

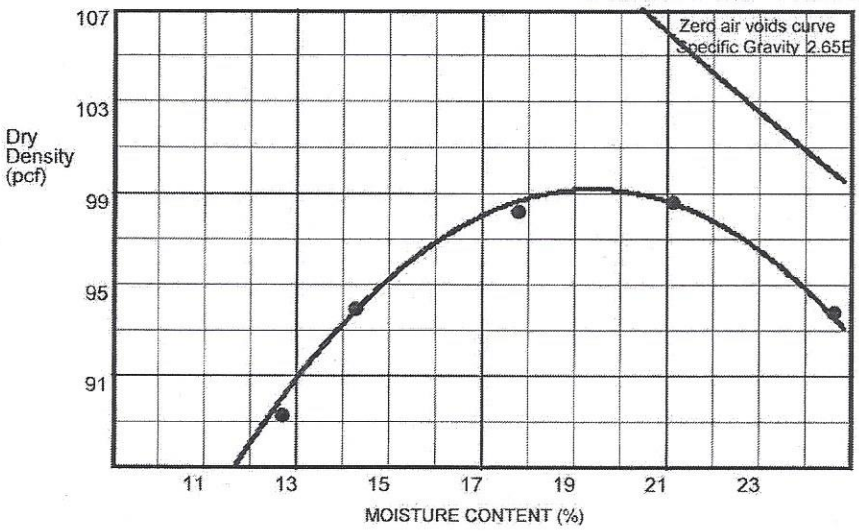
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 07/19/2017
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: EAST CUT AREA -3' TO -6'

TEST DATE: 07/27/2017
MATERIAL:
GRAY-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: 99.2
OPTIMUM MOISTURE (%): 19.5

LIQUID LIMIT: 39
PLASTIC LIMIT: 18
PLASTICITY INDEX: 21

ADDITIONAL COMMENTS:

Technician: TONY STOETZEL, SR ENGINEERING TECH
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