

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

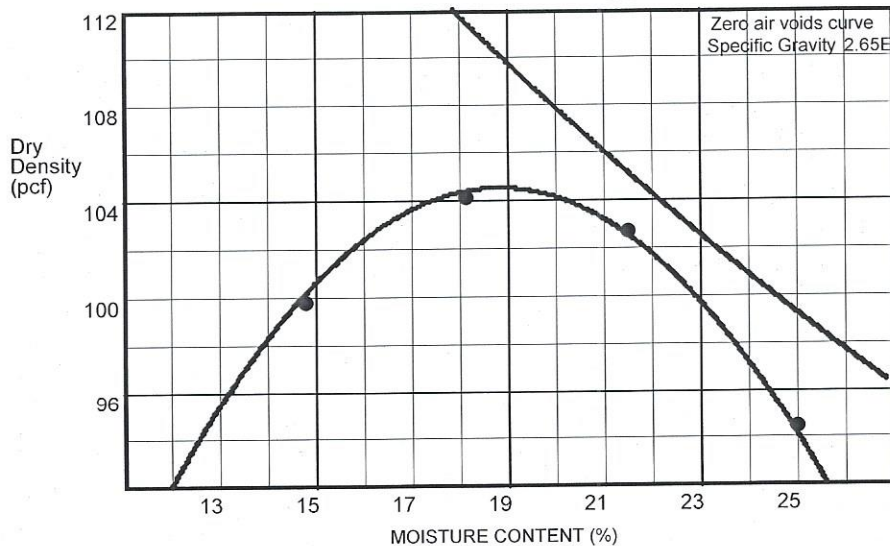
MATERIAL PREPARATION METHOD: Moist

RAMMER TYPE: Manual

CLASSIFICATION: CL

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
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KANSAS CITY TESTING & ENGINEERING,

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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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.

TEST DATE: 07/10/2018

DATE SAMPLED: 06/26/2018

SAMPLED BY: ANDREW WILSON

MATERIAL:

TEST FOR: STANDARD PROCTOR

GRAY-BROWN SILTY CLAY

SAMPLE LOCATION: SW GEORGETOWN AND

SW ALABASTER -0' TO -3'

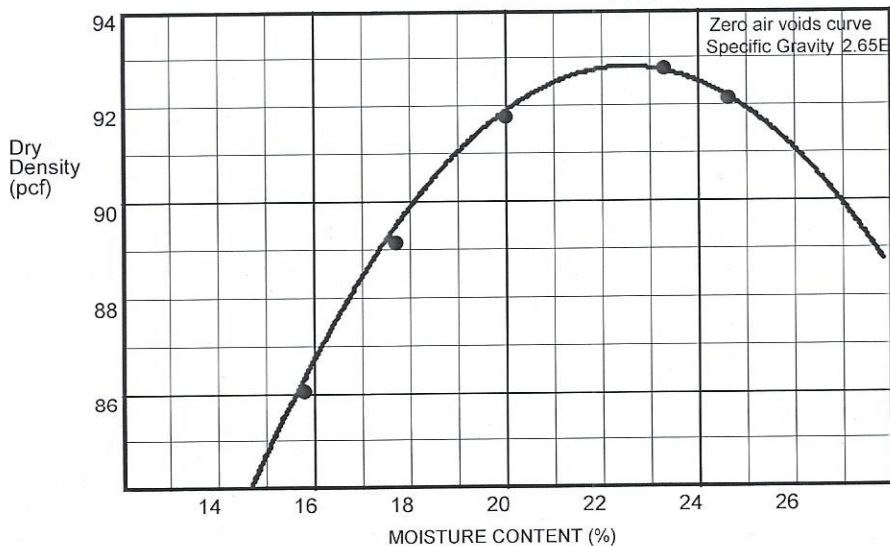
MATERIAL PREPARATION METHOD: Moist

RAMMER TYPE: Manual

CLASSIFICATION: CL

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

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

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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

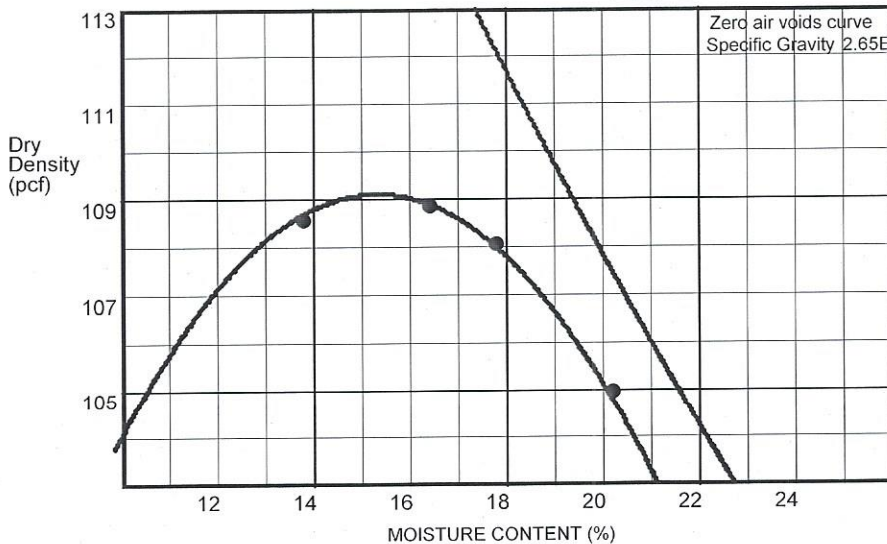
CONTRACTOR: REDFORD CONSTRUCTION, INC.
DATE SAMPLED: 06/26/2018
SAMPLED BY: ANDREW WILSON
TEST FOR: STANDARD PROCTOR
SAMPLE LOCATION: NORTH DETENTION BASIN
-0' TO -3'

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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