



Mike Andersson
FYI
Chuck

November 17, 2011

Mr. Robert Kutch
Emergent Care Plus
2741 NE McBaine Drive
Lee's Summit, Missouri 64064

**RE: Construction Services
Emergent Care Plus – Primary Care Suite
2741 NE McBaine Drive
Lee's Summit, Missouri 64064
Project No. 122792**

Dear Mr. Kutch:

In accordance with your request, representatives of Kleinfelder have provided field observation and testing services relating to building subgrade, structural fill, foundation bearing materials, drilled and epoxied reinforcing steel and reinforced concrete for the proposed building addition at the referenced site. Our services were provided on a part-time basis between November 1 and 11, 2011, as scheduled by representatives of A.L. Huber Construction. The compliance of any materials or work not observed by our personnel cannot be determined by our firm and is not addressed, or implied, by this or any previous report.

Summary of Activities

Building Subgrade

On November 1, the exposed subgrade within the footprint of the proposed building addition was observed. The subgrade was proofrolled using the available construction equipment and was evaluated with respect to stability and moisture content using hand equipment.

Structural Fill

Field density tests were performed in the imported clay backfill and limestone screenings placed within the proposed building addition footprint. A bulk sample of the imported clay fill was obtained for standard Proctor and Atterberg limits testing. The contractor provided a standard Proctor for the limestone screenings. Results of the field compaction tests and laboratory tests are enclosed.

Foundation Bearing Materials

The bearing materials within the bases of the foundation excavations along Line M, 1-6, Line 5, A-1, Line 6, I-K and at Grids E.5-1.5, H-1.5, C-2, D-3, F-3, G-3, C-5, E-5, K-5, K-6, J-6 and M-6 were observed. The bearing materials consisted of undisturbed clay soils and were evaluated with respect to the design bearing pressure of 2,000 psf.

Drilled and Epoxied Reinforcing Steel

Installation of the drilled and epoxied reinforcing steel into the existing foundation at Grids E.5-1.5, H-1.5 and M-1 was observed. The hole size, depth, cleanliness, reinforcing steel size, spacing, embedment depth and type of epoxy adhesive used were observed.

Reinforced Concrete

Placement of the reinforcing steel within the above referenced foundations was observed. Field tests were performed and compressive strength test specimens cast with concrete sampled from the referenced footings. Results of the recent concrete compressive strength tests are enclosed.

Status of Compliance

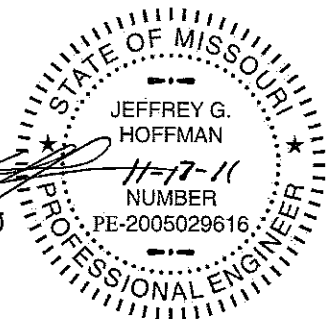
The specific items discussed above in this report appeared to be in general compliance with contract documents.

The results of our field observations and testing were reported to the authorized field personnel during our site visits. If you have any questions regarding this report, or if we may be of further service, please contact us.

Respectfully submitted,
KLEINFELDER


Stewart L. Legg
Project Manager


Jeffrey G. Hoffman, P.E.
Missouri: 2005029616



SLL/JGH:ksb

cc: Mr. David Esely – Hollis and Miller (e-mail)
Mr. Keith Dorrian – A.L. Huber (e-mail)
City of Lee's Summit, Missouri

FIELD COMPACTION TEST RESULTS

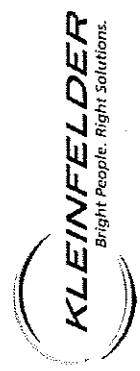
Project and Location: Emergent Care Plus - Primary Care Suite - Lee's Summit, Missouri Project No.: 122792
 Architect/Engineer: Hollis and Miller Date: 11/17/2011
 Contractor: A.L. Huber Approved By: SLL
 Reference Point: NW Corner of Building Addition Page: 1 of 1

Test No.	Date	Location	Lift or Elevation	Material Mark	Optimum Density	Optimum Moisture	Dry Density	Percent Moisture	Percent Compaction	Optimum Moisture (+/-)	Test Pass/Fail
BUILDING ADDITION											
1	11/2/2011	10S, 50E	-1.5	11-1766	107.2	18.0	101.8	19.1	95	+1.1	P
2	11/2/2011	25S, 25E	-1.5	11-1766	107.2	18.0	102.4	18.7	96	+0.7	P
3	11/2/2011	25S, 30E	-0.75	11-1766	107.2	18.0	102.3	18.3	95	+0.3	P
4	11/2/2011	20S, 50E	-0.75	11-1766	107.2	18.0	102.9	18.7	96	+0.7	P
5	11/4/2011	30S, 20E	GRADE	*	133.8	8.8	126.5	7.5	95	-1.3	P
6	11/4/2011	10S, 10E	GRADE	*	133.8	8.8	126.5	8.6	95	-0.2	P
7	11/4/2011	20S, 40E	GRADE	*	133.8	8.8	131.3	7.6	98	-1.2	P
8	11/4/2011	30S, 60E	GRADE	*	133.8	8.8	130.9	7.9	98	-0.9	P

NOTES: Moisture content as percent of dry weight, in-place density as percent of maximum dry density on sample indicated by material mark. ASTM D6938 and D698, Method B, Moist Preparation, Mechanical Rammer. Soil Descriptions on Moisture-Density Relationship Forms. Locations and elevations are estimated to the accuracy of the horizontal and vertical control as provided by the contractor.

Direct Transmission X (All tests taken at -8 inches unless noted otherwise.)
 Backscatter

All locations and elevations are measured in feet
 *Limestone screenings Proctor provided by contractor



Results only related to items tested
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 All documents shall remain the property of Kleinfelder as detailed in contract provisions.
 122792 / LENT1L344



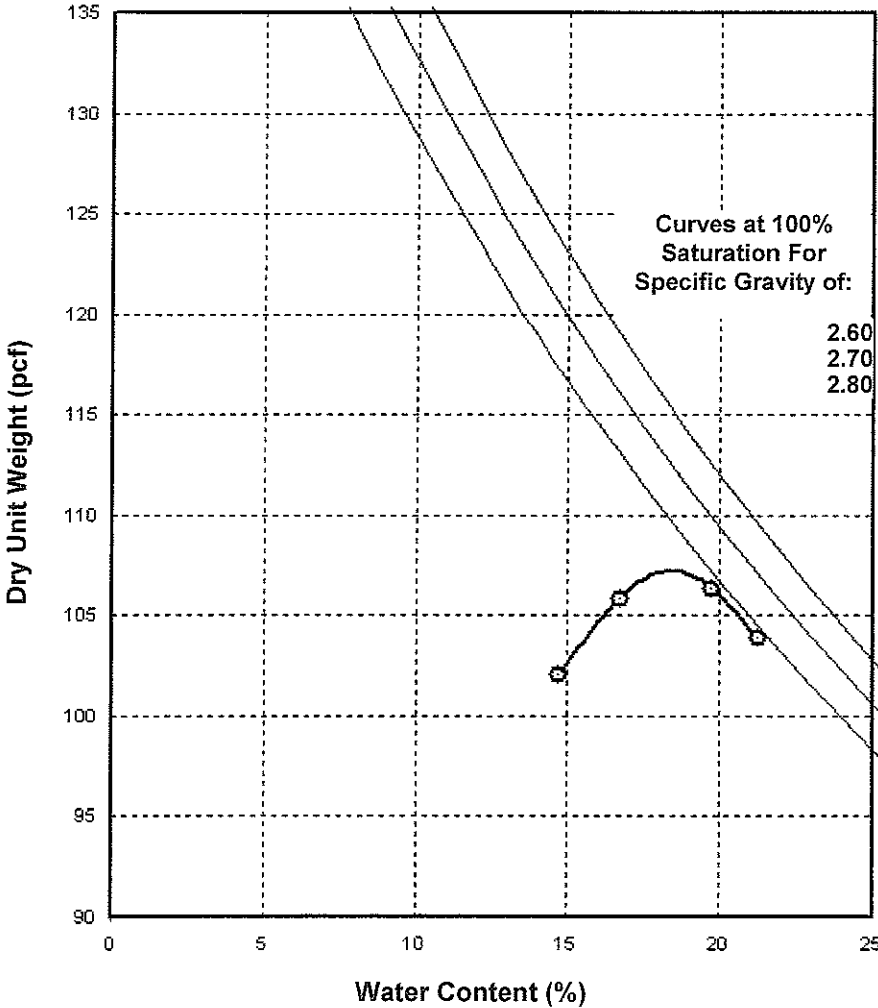
11529 West 79th Street
 Lenexa, Kansas 66214
 Phone: (913) 962-0909 Fax: (913) 962-0924

Laboratory Compaction Characteristics of Soil Using Standard Effort ASTM D 698

Report To:
 Emergent Care Plus
 Rob Kutch
 2741 Northeast McBaine Drive
 Lees Summit, MO 64064

Report Date: 11/2/2011
Project No.: 122792
Project: Emergent Care - Primary Care
Task: 1 Task 1

TEST RESULTS



Sample No.: LEN_11-1766
Date Sampled: 10/25/2011
Sample Location: On-site
Material Description: Fat clay with gravel, Brown
Compaction Test Method: ASTM D 698 Method A
Maximum Dry Unit Weight (pcf): 107.2
Optimum Water Content (%): 18.3

Liquid Limit: 53
Plasticity Index: 33

Remarks:

Reviewed on 11/2/2011 by: _____
 Stewart Legg
 Project Manager

Limitations: Pursuant to applicable building codes, the results presented in this report are for the exclusive use of the client and the registered design professional in responsible charge. The results apply only to the samples tested. If changes to the specifications were made and not communicated to Kleinfelder, Kleinfelder assumes no responsibility for pass/fail statements (meets/did not meet), if provided. This report may not be reproduced, except in full, without written approval of Kleinfelder.

Emergent Care



Professional Service Industries, Inc.
1211 W. Cambridge Circle Drive
Kansas City, KS 66109

Phone: (813) 310-1600
Fax: (813) 310-1801

Proctor Test Report

Report No: PTR:0353350-5-S2
Issue No: 1

Client: BEYER CRUSHED ROCK
P.O. BOX 153
CLEVELAND, MO 64734
Project: BEYER CRUSHED ROCK
CC: RICK MILLER

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

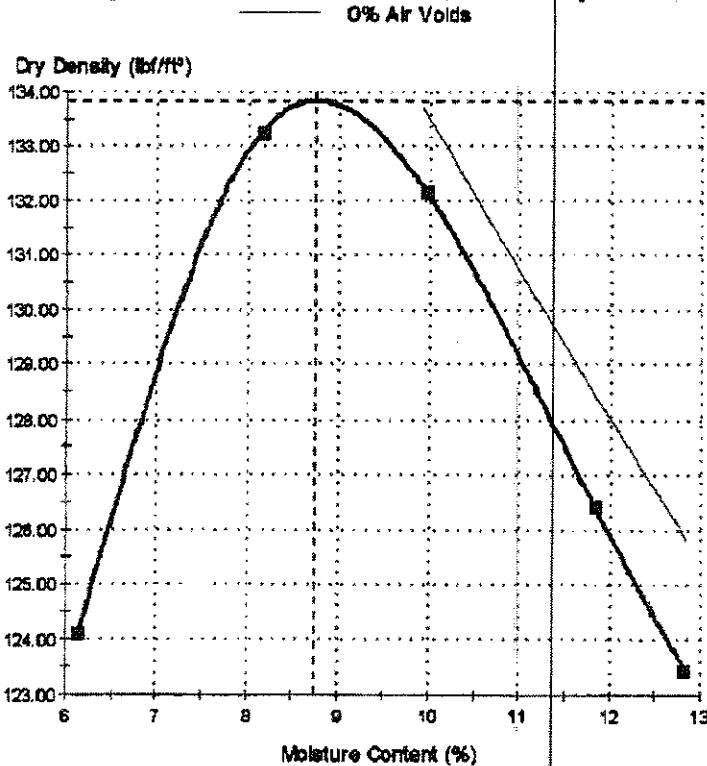
Approved Signatory: Diana Long (Lab Technician IV)
Date of Issue: 4/12/2011

Sample Details

Sample ID: 0353350-5-S2
Sampling Method: Sampled by client
Source: Beyer Crushed Rock
Specification:
Location: Delivered to the laboratory 4/8/2011
Tested By: John Brooks

Date Sampled:
Material: Dusty Buckshot
Date Tested: 4/11/2011

Dry Density - Moisture Content Relationship



Test Results

ASTM D 698 - 07
Maximum Dry Density (lb/ft³): 133.8
Optimum Moisture Content (%): 8.8
Method: B
Preparation Method: Moist
Rammer Type: mechanical
Apparent SG (Fines): 2.72
Specific Gravity Method: estimated
Retained Sieve No 4 (4.75mm) (%): 8

Comments



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 Lenexa, Kansas 66214
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CONCRETE CYLINDER COMPRESSIVE STRENGTH REPORT, ASTM C 39

Report To:
 Emergent Care Plus
 Rob Kutch
 2741 Northeast McBaine Drive
 Lees Summit, MO 64064

Report Date: 11/11/2011
 Project No.: 122792
 Project: Emergent Care - Primary Care
 Task: 1 Task 1

MIX DESIGN DATA

Supplier: Century
 Mix No.: 3KFAMRWR
 Cement Type:

Cement Factor (sk/cy):
 Max. Size Agg.(in.):
 Admixtures:

SAMPLE DATA

Date Sampled: 11/4/2011
 Source of Sample: Footing
 Line M-1 thru 6

Date Received: 11/7/2011

Time Batched: 3:00 PM
 Time Sampled: 3:30 PM

Batch Size (cy):
 Water Added (gal):

Contractor: A.L. Huber
 Truck/Ticket: 221/220902/1
 Sampled By: EG
 Submitted By: EG
 Curing Method: Cure Room
 Field Cure Temp (°F) Hi:
 Field Cure Time: 72 hrs.

Lo:

	Measured	Specified	
		Min	Max
Slump (in)	3.50		
Slump w/plasticizer (in)			
Ambient Air Temperature (°F)	68		
Mix Temperature (°F)	75		
Air Content (%)			
Unit Weight (pcf)			
Time in Truck (mins.)	30		

LABORATORY DATA

Set No.: LEN122792-1

Capping Method: Unbonded

Sample Number	Date Tested	Age (days)	Dimensions (in)		Area (in ²)	Fracture Type	Ultimate Load (lbs)	Compressive Strength (psi)
			Diam.	Height				
LEN122792-1A	11/11/2011	7	4.00	8.00	12.57	Cone and Split	55,010	4,380
LEN122792-1B	12/2/2011	28						
LEN122792-1C	12/2/2011	28						
LEN122792-1D		Hold						

Average 7 Day Strength (psi): 4,380
 Required Strength (psi) @ 28 days: 3,000

Remarks:

Reviewed on 11/11/2011 by: _____

Stewart Legg
 Project Manager

Associated Test Methods: ASTM C 31, C 138, C 143, C 172, C 173, C 231, C 617, C 1064, C 1231

Unless prior arrangements have been made all HOLD specimens will be discarded if required strength is attained.
 Limitations: Pursuant to applicable building codes, the results presented in this report are for the exclusive use of the client and the registered design professional in responsible charge. The results apply only to the samples tested. If changes to the specifications were made and not communicated to Kleinfelder, Kleinfelder assumes no responsibility for pass/fail statements (meets/did not meet), if provided. This report may not be reproduced, except in full, without written approval of Kleinfelder.



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 Lenexa, Kansas 66214
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CONCRETE CYLINDER COMPRESSIVE STRENGTH REPORT, ASTM C 39

Report To:
 Emergent Care Plus
 Rob Kutch
 2741 Northeast McBaine Drive
 Lees Summit, MO 64064

Report Date: 11/14/2011
 Project No.: 122792
 Project: Emergent Care - Primary Care
 Task: 1 Task 1

MIX DESIGN DATA

Supplier: Century
 Mix No.: 3KFAMRWR
 Cement Type:

Cement Factor (sk/cy):
 Max. Size Agg.(in.):
 Admixtures:

SAMPLE DATA

Date Sampled: 11/7/2011
 Source of Sample: Footing
 Line 3-6

Date Received: 11/8/2011

Time Batched: 1:07 PM
 Time Sampled: 1:30 PM
 Batch Size (cy):
 Water Added (gal):

Contractor: A.L. Huber
 Truck/Ticket: 221/220981/1
 Sampled By: EG
 Submitted By: EG
 Curing Method: Cure Room
 Field Cure Temp (°F) Hi:
 Field Cure Time: 24 hrs.

Lo:

	Measured	Specified	
		Min	Max
Slump (in)	3.00		
Slump w/plasticizer (in)			
Ambient Air Temperature (°F)	65		
Mix Temperature (°F)	73		
Air Content (%)			
Unit Weight (pcf)			
Time in Truck (mins.)	23		

LABORATORY DATA

Set No.: LEN122792-2

Capping Method: Unbonded

Sample Number	Date Tested	Age (days)	Dimensions (in)		Area (in ²)	Fracture Type	Ultimate Load (lbs)	Compressive Strength (psi)
			Diam.	Height				
LEN122792-2A	11/14/2011	7	4.00	8.00	12.57	Side Fracture	52,770	4,200
LEN122792-2B	12/5/2011	28						
LEN122792-2C	12/5/2011	28						
LEN122792-2D		Hold						
Average 7 Day Strength (psi):								4,200
Required Strength (psi) @ 28 days:								3,000

Remarks:

Reviewed on 11/14/2011 by:

Stewart Legg
 Project Manager

Associated Test Methods: ASTM C 31, C 138, C 143, C 172, C 173, C 231, C 617, C 1064, C 1231

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