

**LEXINGTON-FAYETTE URBAN COUNTY
GOVERNMENT CONTRACT CHANGE ORDER**

Page 1 of 2

Date:	March 10, 2015
Project:	Senior Citizen Center Construction
Location:	Lexington
Contract No.	227-2014
Original Contract Amt.	\$8,882,900.00
Cumulative Amount of Previous Change Orders	\$180,584.31
Percent Change - Previous Change Orders	2.03%
Total Contract Amount Prior to this Change Order	\$9,063,484.31
Change Order No.	11

To (Contractor):
Marrillia Design & Construction
259 West Short Street
Suite 325
Lexington, KY 40507

R-602-2014
Original: R-548-2014
Contract #: 227-2014

You are hereby requested to comply with the following changes from the contract plans and specification;

Current Change Order

Item No.	Description of changes-quantities, unit prices, change in completion date, etc.	Decrease in contract price	Increase in contract price
1	Unsuitable soils - over-excavated and flowable fill added		\$11,005.88
	Total decrease	\$0.00	
	Total increase		\$11,005.88
	Net Amount of this Change Order	\$11,005.88	
	New Contract Amount Including this Change Order	\$9,074,490.19	
	Percent Change - This Change Order		0.12%
	Percent Change - All Change Orders		2.16%

The time provided for the completion in the contract and all provisions of the contract will apply hereto.

Recommended by	<i>George Thomas</i>	Project Manager	Date 3/11/15
Accepted by	<i>Jack Marrillia</i>	(Contractor)	Date 3/13/15
Approved by	<i>[Signature]</i>	(Director)	Date 3-13-15
Approved by	<i>[Signature]</i>	(Commissioner)	Date 3-13-15
Approved by	<i>[Signature]</i>	(Mayor or CAO)	Date 3-15-15

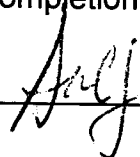
JUSTIFICATION FOR CHANGE

PROJECT: Senior Citizen Center Construction

CONTRACT NO. 227-2014

CHANGE ORDER: 11

1. Necessity for change: Unsuitable soils found at C/4-D/5.3, 5, 4 & D/3.5 & D/2.8 & D/2 & E9.5 E/5 & F.5/2.8 & F/1.5, 2. Areas were overexcavated and filled with flowable fill.
2. Is proposed change an alternate bid? ___ Yes X No
3. Will proposed change alter the physical size of the project? ___ Yes X No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___ Yes X Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___ Yes X No
If "Yes", will the policies be extended? ___ Yes ___ No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: Add 1.5 days.



Mayor

3-15-15
Date



LFUCG-Senior Center Soil Remediation Worksheet

Description	Unit Rates	Quantities	
		Recorded	Sub-Totals
Structural Over Excavation (Soil)-CYDS	\$7.00	63	\$441.00
Load and Haul Excess Over-Excavation Soils Off Site-CYDS	\$7.00	63	\$441.00
Structural Back Fill (DGA)-Tons	\$25.00		\$0.00
Structural Backfill (Structural Flowable Fill)-CYDS	\$150.00	63	\$9,450.00
Overhead Daily Cost	\$449.25	1.5	\$673.88
Time Delay	1.5		
We request 1.5 days be added to the schedule due to the large excavation/pour.			
Total Cost=			\$11,005.88



THELEN ASSOCIATES, INC.

Geotechnical • Testing Engineers

125 Trade Street, Suite D, Lexington, KY 40511 / 859-226-0761
Erlanger, Kentucky • Cincinnati, Ohio • Dayton, Ohio

Arrived: 10:15 AM

Depart:

CLIENT: LFUG - D65
PROJECT: Senior Center
SUBJECT: Undercuts

PROJECT NO: 140955
DATE: 3/9/15
ENGINEER: JM
CHECKED: _____
SHEET: 1 OF 2

Column Footing. C.L. C/5-

Bearing elevation

saturated tan - brown, soft, clay

$$V = 72'' \times 90'' \times 72''$$

Fill w/ topsoil.

24" below bearing some material

$$= 8.9 \text{ yd}^3$$

undercut to 6' below bearing exposed

some saturated fill material.

C/4 - D/5.3, 5, 4

Some material as in previous

Total

$$V = 9.5 \text{ yd}^3$$

excavation.

Undercut to 4' below bearing

exposed topsoil, clay fill material

D/3.5

bearing elevation

saturated, tan to brown clay Fill

$$V = 61'' \times 63''$$

w/ topsoil.

$$\times 53''$$

24" below some material

$$= 5.2 \text{ yd}^3$$

5' below tan, soft, silty clay fill



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CLIENT: _____
PROJECT: _____
SUBJECT: _____

PROJECT NO: _____
DATE: _____
ENGINEER: _____
CHECKED: _____
SHEET: 2 OF 3

D/a.8

bearing elevation exposed saturated
tan to brown silty clay fill,
soil - 1000 psf.

$$V = 50'' \times 48'' \times 50''$$

24'' below same material

$$= 2.6 \text{ yd}^3$$

48'' below - tan soft, silty clay fill
w/ roots.

D/a

bearing elevation exposed saturated.
tan to brown silty clay fill w/
topsoil - 1000 psf.

$$V = 62'' \times 63'' \times 63''$$

24'' below - same material.

$$= 5.3 \text{ yd}^3$$

60'' below - tan, saturated, soft,
silty clay fill.

E9/5

bearing elevation exposed saturated
tan to brown, soft, silty clay fill
w/ topsoil - 1000 psf.

$$V = 62'' \times 61'' \times 61''$$

24'' below same material.

$$= 5.1 \text{ yd}^3$$

60'' below, exposed tan saturated
soft, silty clay fill.



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PROJECT NO: _____

DATE: _____

ENGINEER: _____

CHECKED: _____

SHEET: 3 OF 3

CLIENT: _____

PROJECT: _____

SUBJECT: _____

E/5

bearing elevation exposed tan brown saturated, soft, silty clay fill w/ gravel.

$$V = 50'' \times 49'' \times 51'' \\ = 2.7 \text{ yd}^3$$

-1000 psf.

24" below same material.

10" below, tan to brown, soft silty clay fill w/ gravel.

F.5/2.8 bearing elevation exposed tan to brown saturated, soft, silty clay fill w/ gravel

$$V = 50'' \times 50'' \times 49'' \\ = 2.7 \text{ yd}^3$$

24" below same material

24" below, tan to brown, soft silty clay w/ organics.

~~_____~~

~~_____~~

F.5/2.8

bearing elevation exposed

tan to brown, soft silty clay fill w/ gravel

24" below same material

10" below, tan to brown, soft silty clay fill w/ gravel

Joyce Thomas

From: Harding Dowell [hdowell@eopa.com]
Sent: Tuesday, March 10, 2015 8:32 AM
To: Joyce Thomas
Cc: Martin Woodford; Jessica Walker
Subject: RE: LFUCG Unsuitable Soils Report for 3/9/15

Hi Joyce,

I have double checked the math and reviewed the report and find it to be appropriate and accurate.

Thanks,

Harding

J Harding Dowell, AIA
Project Architect



201 W Short Street | Suite 700 | Lexington, KY 40507
tel: 859-231-7538 | mobile: 859-797-5515
<http://www.eopa.com>

From: Travis Harris [mailto:tharris@marrillia.com]
Sent: Tuesday, March 10, 2015 8:16 AM
To: Joyce Thomas
Cc: Harding Dowell; Jim Martin ; Josh Marrillia; bgravitt@marrillia.com; Martin Woodford
Subject: LFUCG Unsuitable Soils Report for 3/9/15

Joyce,

Attached is the report from yesterday's activities for your review.

Travis Harris

Site Manager
Marrillia Design and Construction
259 West Short Street, Suite 325
Lexington, Kentucky 40507
Tel: 859.686.0414
Fax: 859.686.0418
Cell: 859.200.9732
Web: www.marrillia.com
Email: tharris@marrillia.com

The logo for Marrillia design & construction features the word 'Marrillia' in a large, bold, white serif font. Below it, the words 'design & construction' are written in a smaller, lowercase, white sans-serif font. The entire logo is set against a solid black rectangular background.



Lexington-Fayette Urban County Government
DEPARTMENT OF GENERAL SERVICES

TRANSMITTAL

Date: March 17, 2015

Contract Number: 227-2014

Purchase Order Number: LF00120278

Bid Package Number: 99-2014

Capital Project Number: TBD

Work Order Number: N/A

Building: Senior Citizen Center

Project Description: Replacement Senior Citizen Center Construction

To: Josh Marrillia, Marrillia Design & Construction RE: Change Order #11

CC: Meredith Nelson, Council Clerk (for file)
Trina Brown, Social Services (for change order to purchase order)

From: Joyce Thomas, General Services *Joyce*

We Are Sending You:

- Contract
- Warranties
- Payment Application
- Operation and Maintenance Manuals
- Attached
- Plans

Item	Copies	Description	Pages	Date
1.	1	Change Order #11 – Fully Executed Copy	6	3/10/15

THESE ARE TRANSMITTED AS INDICATED BELOW:

- FOR APPROVAL
- FOR YOUR USE
- FOR YOUR REVIEW AND COMMENT
- OTHER:
- FOR ACTION
- FOR FILE
- FOR SIGNATURE

REPLY BY _____ TO AVOID DELAY IN CONSTRUCTION

Remarks:



THELEN ASSOCIATES, INC.

Geotechnical • Testing Engineers

• 125 Trade Street, Suite D, Lexington, Kentucky 40511-2616 / 859-226-0761 / Fax 859-226-0763

www.thelenassoc.com

Offices
Erlanger, Kentucky
Lexington, Kentucky
Cincinnati, Ohio
Dayton, Ohio

LFUCG - DGS
200 East Main Street
Lexington, Kentucky 40507

Attention: Ms. Joyce Thomas

PROJECT NO.: 140955L
PROJECT: Construction Review Services,
Lexington Senior Citizens Center
PROJECT LOCATION: Lexington, Kentucky
CONTRACTOR: Hubbard Construction
DATE: 3/9/2015 **TIME ARRIVED:** 10:30 AM **TIME DEPARTED:** 4:00 PM
MILEAGE: 15 **TRAVEL TIME (min.):** 30 **TOTAL TIME (hrs.):** 6.0

SUMMARY

The writer visited the site at the request of Mr. Jim Martin with Marrillia Design and Construction to review site activities. Work completed this day was reviewed with respect to the project Structural Drawings prepared by BFMJ, Inc. dated July 24, 2014.

The writer observed the contractor excavate column footings at Column Lines C / 4 & 5, D / 2 – 5.3, E / 5, E.9 / 5, F / 1.5 & 2, and F.5 / 2.8. The footing excavations exposed tan to brown, saturated, soft, silty clay with topsoil. The exposed surface did not appear to be suitable for the design bearing capacity of 3,000 pounds per square foot. The writer observed the contractor undercut the areas to 24" below bearing elevation. The extra excavation exposed brown to dark brown, moist, soft, topsoil with organics. This surface appeared suitable for a bearing capacity of approximately 1,000 pounds per square foot, or less than the design bearing capacity. The areas were then undercut as follows:

Column Line	Undercut Depth (feet below bearing elevation)
C / 4	4
C / 5	6
D / 2.8	4
D / 2	5
D / 3.5	5
D / 4	4
D / 5	4

D / 5.3	4
E / 5	5
E.9 / 5	5
F / 1.5	5
F / 2	5
F.5 / 2.8	5

The undercut volume was calculated to be 54 cubic yards. The writer observed the contractor place 63 cubic yards of flowable fill in the excavations to bring them back to original bearing elevation.

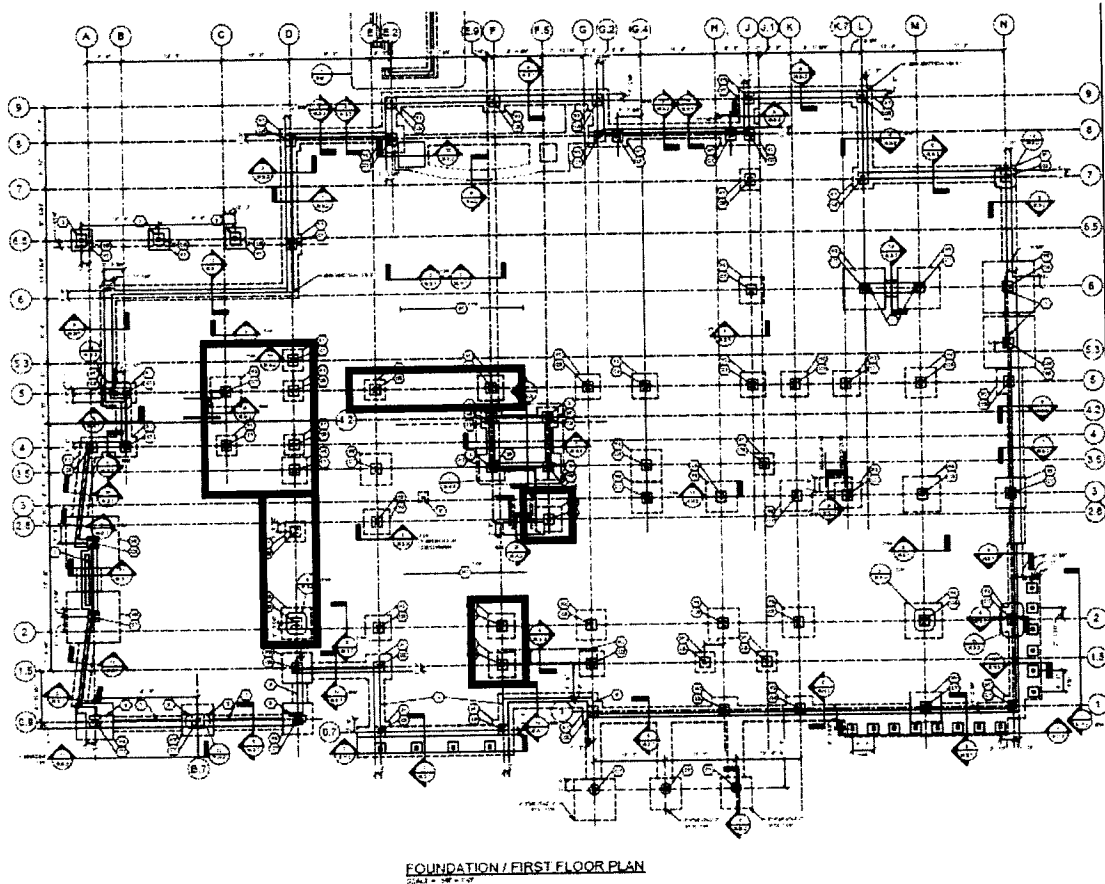
Thelen Associates, Inc.
Jacob Campbell
Senior Engineering Technician

Copies submitted: 1 – Client (email)
1 – EOP Architects, Inc. (email)
1 – BFMJ, Inc. (email)
2 – Marrillia Construction (email)

Figure 1: Photo of Excavations



Figure 2: View of Foundation / First Floor Plan



Footings with Undercuts