



FLOYD COUNTY BOARD OF EDUCATION
Stephen A. Trimble, Interim Superintendent
106 North Front Avenue
Prestonsburg, Kentucky 41653
Telephone (606) 886-2354 Fax (606) 886-8862
www.floyd.kyschools.us

Sherry Robinson- Chair - District 5
Dr. Chandra Varia, Vice-Chair - District 2
Linda C. Gearheart, Member - District 1
William Newsome, Jr., Member - District 3
Rhonda Meade, Member - District 4

Consent Agenda Item (Action Item): Consider/Approve Change Order NO. 3-3 for the Betsy Layne High School Renovation and Addition to Frederick & May Construction Company (BG# 16-143).

Applicable Statute or Regulation: Capital Construction Process (702 KAR 4:160).

Fiscal/Budgetary Impact: The requested Change Order amount is \$5,940.00.

History/Background: Remove unsatisfactory soils, add backfill with stone per geotechnical/special inspection.

Recommended Action: To approve change order NO. 3-3 as presented.

Contact Person(s): Gregory Adams/606-874-9569


Director


Superintendent

Date: October 23, 2017

FACPAC Contract Change Order Supplemental Information Form Status: Saved
Form (Ref# 44827) Project Status: Active
District: Floyd County (175) Project Phase: No Data
BG Number: 16-143 (Imported Project)
Betsy Layne Renovation and Addition

Contract: FREDERIC & MAY CONSTRUCTION COMPANY, 03
Type: General Contractor Proposed

Change Order Number	3-3
Time Extension Required	No
Date Of Change Order	10/12/2017
Change Order Amount To Date	Increase

Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount:	\$849,036.44
Net Approved COs:	\$456,232.89
Remaining After Approved COs:	\$392,803.55
Net All COs:	\$436,889.69
Remaining After All COs:	\$412,146.75
This Requested Change Order Amount +/-	\$5,940.00
Change In A/E Fee This Change Order +/-	\$0.00
Change In CM Fee This Change Order +/-	\$0.00
Remaining Construction Contingency Balance	\$405,300.75

Note: Change Order Supplemental Information Forms with a change event over \$25,000 shall be submitted to KDE for approval with detailed cost breakdown. Attach additional pages if necessary.

Contract Change Requested By	Architect/Engineer
Contract Change Reason Code	Found Condition
Change Order Description And Justification	

Following Getechnical / Special Inspection to remove the unsatisfactory soils and backfill with stone. Limits of the areas will be determined and montiored by Special Inspections. Price is based on unit price by contract.

Cost Benefit To Owner

Correct the soils issue to make sure buidling is sitting on solid ground for foundations.

Contract unit prices have been utilized to support the Yes
cost associated with this change order.

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	\$5,940.00	100.00 %
Materials	\$0.00	0.00 %
Profit and Overhead	\$0.00	0.00 %
Bond Insurance	\$0.00	0.00 %
Cost Breakdown Total:	\$5,940.00	

Cost for this Change Order supported by an alternate No
bid or competitive price quote

Change Order Supplemental Information Form Signature Page (Online Form Ref# 44827)

Architect

Date

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date

**AIA****Document G701/CMa™ – 1992****Change Order - Construction Manager-Adviser Edition**

OWNER ☒
 CONSTRUCTION MANAGER ☐
 ARCHITECT ☐
 CONTRACTOR ☐
 FIELD ☐
 OTHER ☐

PROJECT (Name and address):
 BETSY LAYNE HIGH SCHOOL RENOVATION AND
 ADDITION
 554 BOBCAT BLVD
 BETSY LAYNE KY 41605

CHANGE ORDER NUMBER: 3-3
INITIATION DATE: 10/12/2017

TO CONTRACTOR (Name and address):
 FREDERICK & MAY CONSTRUCTION CO., INC.
 P. O. BOX 337
 WEST LIBERTY KY 41472

PROJECT NUMBERS: CMA-KDE-000692 / 16-143
CONTRACT DATE: 3/20/2017
CONTRACT FOR: BID PACKAGE #03 GENERAL TRADES

THE CONTRACT IS CHANGED AS FOLLOWS:

FREDRICK AND MAY WAS DIRECTED TO BY GETECHNICAL / SPECIAL INSPECTION TO REMOVE THE UNSATISFACTORY SOILS AND BACKFILL WITH STONE. LIMITS OF THE AREAS WERE DETERMINED AND MONTIORED BY SPECIAL INSPECTIONS. PRICE IS BASED ON UNIT PRICE BY CONTRACT.

The original Contract Sum was	\$1,009,795.00
Net change by previously authorized Change Orders	\$906.00
The Contract Sum prior to this Change Order was	\$1,010,701.00
The Contract Sum will be increased by this Change Order in the amount of	\$5,940.00
The new Contract Sum including this Change Order will be	\$1,016,641.00

The Contract Time will not be effected.

The date of Substantial Completion as of the date of this Change Order therefore is Tuesday, February 06, 2018

NOT VALID UNTIL SIGNED BY THE CONTRACTOR AND CONSTRUCTION MANAGER.

Codell Construction

CONSTRUCTION MANAGER (Firm Name)

4475 Rockwell Rd., Winchester, KY 40392

ADDRESS

Matt Mills

BY (Signature)

Matt Mills

10-12-17

(Typed Name)

DATE:

FREDERICK & MAY CONSTRUCTION CO., INC.

CONTRACTOR (Firm Name)

P. O. BOX 337 WEST LIBERTY, KY 41472

ADDRESS

BY (Signature)

(Typed Name)

DATE:

SHERMAN CARTER BARNHART

ARCHITECT (Firm Name)

2405 HARRODSBURG ROAD LEXINGTON, KY 40504

ADDRESS

BY (Signature)

(Typed Name)

DATE:

FLOYD COUNTY BOARD OF EDUCATION

OWNER (Firm Name)

106 N. FRONT AVENUE PRESTONSBURG, KY 41653

ADDRESS

BY (Signature)

(Typed Name)

DATE:

Frederick & May Construction Company, Inc.

CHANGE ORDER REQUEST

REQUEST #: FM - 001
DESCRIPTION: Poor Soil Undercut

PROJECT: Betsy Layne High School Addition & Renovation
ADDRESS: 554 Bobcat Boulevard
 Stanville, KY 41569

TO: Codell Construction Company
ATTN: Eddie Morton
ADDRESS: 4475 Rockwell Road
 Winchester, KY 40392

DATE: 6/26/2017

	ITEM DESCRIPTION	QUAN	UNIT	MATERIAL		SUBLABOR AND OR EQUIPMENT	
				PER	DOLLARS	UNIT	DOLLARS
1				\$ -	\$ -	\$ -	\$ -
2	Poor soils Undercut per			\$ -	\$ -	\$ -	\$ -
3	S&ME Report dated April 24	60.7	tns	\$ -	\$ -	\$ 75.00	\$ 4,552.50
4				\$ -	\$ -	\$ -	\$ -
5				\$ -	\$ -	\$ -	\$ -
6				\$ -	\$ -	\$ -	\$ -
7				\$ -	\$ -	\$ -	\$ -
8				\$ -	\$ -	\$ -	\$ -
9				\$ -	\$ -	\$ -	\$ -
10				\$ -	\$ -	\$ -	\$ -
11				\$ -	\$ -	\$ -	\$ -
12				\$ -	\$ -	\$ -	\$ -
13				\$ -	\$ -	\$ -	\$ -
14				\$ -	\$ -	\$ -	\$ -
15				\$ -	\$ -	\$ -	\$ -
16				\$ -	\$ -	\$ -	\$ -
17				\$ -	\$ -	\$ -	\$ -
18				\$ -	\$ -	\$ -	\$ -
SUBTOTALS					\$ -		\$ 4,552.50

SUMMARY	
MATERIALS	\$ -
TAX	\$ -
SUB/LABOR	\$ 4,552.50
SUBTOTALS	\$ 4,552.50
OVERHEAD 10%	\$ -
PROFIT 5%	\$ -
TOTAL COST	\$ 4,553

Additional time Requested 2 Calendar Days

QUALIFICATIONS

1) Price based upon Unit Price in bid documents

2)



2020 Liberty Road, Suite 105 / Lexington, Kentucky 40505

REVIEWED

By Bradley Johnson at 3:18 pm, 5/2/17

PROJECT:	Betsy Layne High School	JOB NO:	3183-16-034	DATE:	April 25, 2017
CLIENT:	Floyd County Public Schools	INSPECTOR:	Elbert Tipton SI		
CONTRACTOR:	Fredrick and May	WEATHER:	Clear 65-82		

General Summary of Observations

S&ME Special Inspector (SI) Elbert Tipton arrived on site as requested to perform Kentucky Building Code Special Inspections of Reinforcing Steel (KBC Section 1704.4.1 Inspection of Reinforcing Steel) and concrete (KBC Section 1704.4.5 The Observation of the Sampling of Fresh Concrete to Fabricate Test Specimens). SI was also requested to perform observation and testing of the footing excavation. Upon arrival SI met with Mr. Roger Ball with Fredrick and May and Mr. Eddie Morton with Codell.

The contractor began excavation at 08:45 am. The SI utilized a probe rod to test the section of foundation excavated. The probe penetrated to an average depth of 11 inches with no resistance. The Contractor removed two additional feet of material and the SI utilized the probe to test the material again. The probe penetrated to an average depth of 14 inches. The Contractor removed an additional one foot of material and the SI tested the material. The probe penetrated to an average depth of 12 inches again. The Contractor then removed another six inches of material and requested the SI probe the material. The SI complied and the probe penetrated to the handles of the probe (approximately 42 inches) where muddy soil was encountered. The SI advised the Contractor to get in touch with the Geo Technical Engineer of Record, MR. Andy Fiehler P.E. for further instruction. Mr. Fiehler recommended this section of footing to be left open to dry for approximately 24 hours. One section was excavated to 9ft and 8" wide, 64 inches deep for 14 feet long. A section was excavated 42" deep and 5ft. 8 "long. A section was excavated 15 ft. long, one foot deep and 40 inches wide.





The following reinforcement was observed along the southern section of the west wall and beginning of southern wall.

1) (Concrete Stem wall) #5 bars Spaced horizontally @ 12"o.c. and #5 dowels tied vertically each face @ 12" o.c. With #5 Dowels 4'6" long placed at 24"o.c.

Stem wall reinforcement for west wall

Summary of Reinforcing Steel Observations

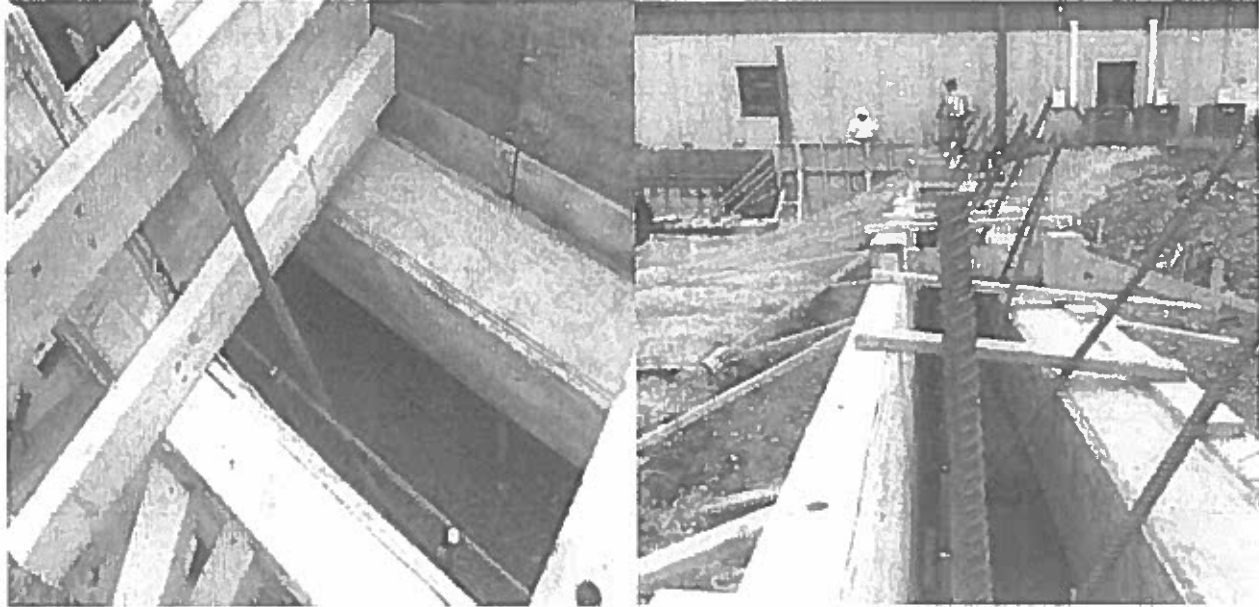
On-site Contact:	Mr. Roger Ball with Fredrick and May
Requested Services:	Observation of steel reinforcement placing
Steel Reinforcement Observation Location:	Locations listed in above narratives
Cleanliness of Steel Reinforcement:	Free of mill scale, oil, dirt, rust, or anything else that would reduce or prohibit the bond with concrete.
Method of Securing Steel Reinforcement:	Wire tied in place using 16 ½ gage annealed steel tie wire
Deficiencies noted / Areas Not Approved:	None
Corrective Action:	N/A
Additional Remarks:	N/A
Deviations Noted (Y/N):	No
See Deviation ID:	N/A

OBSERVATION OF CONCRETE PLACEMENT

The provided normal weight concrete's ticket strength met the design specification of 4000 at 28 days for all concrete per the Specifications of the approved construction design plans.

The concrete was discharged by chute from rotary drum rear loading concrete trucks and deposited into the concrete bucket.

The contractor used a handheld mechanical vibrator in compliance with ACI 301 to help aid in the consolidation of the concrete around reinforcements.



CONCRETE TESTING RESULTS:

Testing was done according to KBC Section 1704.4.5 and the sample was obtained from the chute in the front middle of load.

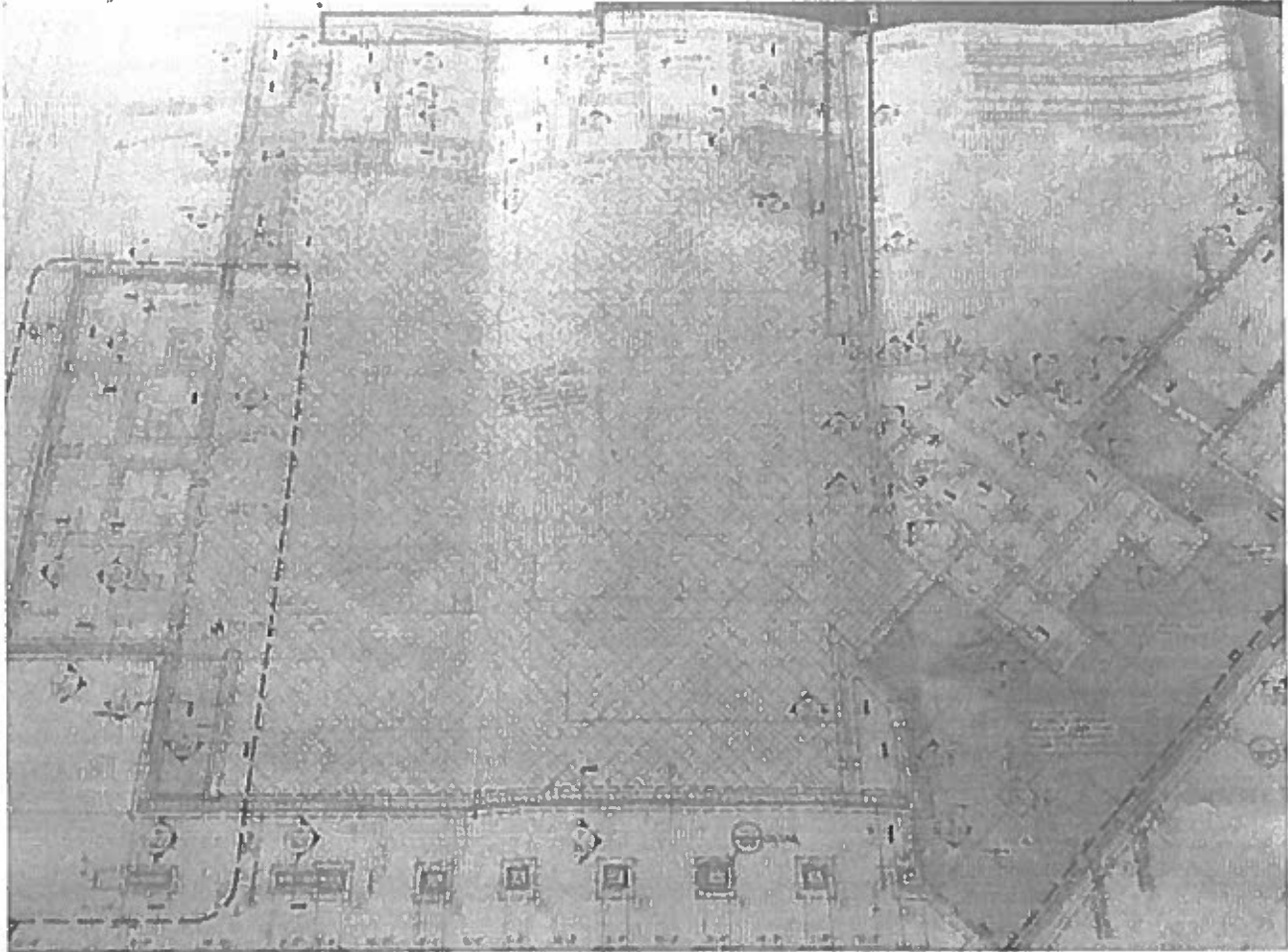
Temperature readings for the concrete batched on site was compliant with ACI limitations prior to and during concrete placement. One set of 5 cylinders were formed for the concrete placed. Mr. Ball requested that SI slump the truck before placement it was 2.25". Driver added 5 gallons of water at which time contractor was able to stop the driver to inform him that no water was to be added onsite. After a phone conversation between contractor and wells group representative contractor elected to use the load. SI than obtained his sample after 1 yd³ had been placed (test results below). A total of approximately 17 cubic yards of concrete was placed with concrete provided by Wells Group.



Summary of Concrete Observations and Testing

On-site Contact: Mr. Roger Ball
Requested Services: Concrete observation and cylinder formation
Concrete Placement Location: Stem wall Starting on east side of shoring heading south
Location of Concrete Placement for Test #1*: Stem wall was placed in two lifts test came out of bottom lift

Wells Group		Water added:	None	Test No.:	1	of	1
Truck:	79	Requested by:	N/A	Specifications			
Ticket:	646712	Quantity:	10 of 17 yd ³	Strength Requirement:	4000 psi		
Batch Time:	12:16pm	Slump:	5 inches	Slump:	1" -5"		
Arrival Time:	12:45pm	Air Content:	2.4%	Air Content:	2-4%		
Time of Test:	13:00pm	Concrete Temp:	79	Temperature:	50 to 90 degrees		
Ticket Strength:	4000 psi	Air Temp:	80	Time Limit:	90 minutes		



Section excavated outlined in red Stem wall poured outlined in blue

Frederick & May Construction Company, Inc.

CHANGE ORDER REQUEST

REQUEST #: FM - 002
DESCRIPTION: Poor Soil Undercut

PROJECT: Betsy Layne High School Addition & Renovation
ADDRESS: 554 Bobcat Boulevard
 Stanville, KY 41569

TO: Codell Construction Company
ATTN: Eddie Morton
ADDRESS: 4475 Rockwell Road
 Winchester, KY 40392

DATE: 6/26/2017

	ITEM DESCRIPTION	QUAN	UNIT	MATERIAL		SUBLABOR AND OR EQUIPMENT		
				PER	DOLLARS	UNIT	PER	DOLLARS
1				\$ -	\$ -		\$ -	\$ -
2	Poor soils Undercut per			\$ -	\$ -		\$ -	\$ -
3	S&ME Report dated April 11	18.5	tns	\$ -	\$ -		75.00	\$ 1,387.50
4				\$ -	\$ -		\$ -	\$ -
5				\$ -	\$ -		\$ -	\$ -
6				\$ -	\$ -		\$ -	\$ -
7				\$ -	\$ -		\$ -	\$ -
8				\$ -	\$ -		\$ -	\$ -
9				\$ -	\$ -		\$ -	\$ -
10				\$ -	\$ -		\$ -	\$ -
11				\$ -	\$ -		\$ -	\$ -
12				\$ -	\$ -		\$ -	\$ -
13				\$ -	\$ -		\$ -	\$ -
14				\$ -	\$ -		\$ -	\$ -
15				\$ -	\$ -		\$ -	\$ -
16				\$ -	\$ -		\$ -	\$ -
17				\$ -	\$ -		\$ -	\$ -
18				\$ -	\$ -		\$ -	\$ -
SUBTOTALS					\$ -			\$ 1,387.50

SUMMARY		
MATERIALS	\$	-
TAX	\$	-
SUB/LABOR	\$	1,387.50
SUBTOTALS	\$	1,387.50
OVERHEAD 10%	\$	-
PROFIT 5%	\$	-
TOTAL COST	\$	1,388

Additional time Requested 1 Calendar Days

QUALIFICATIONS

- 1) Price based upon Unit Price in bid documents
- 2)



AIA Document G714/CMa™ – 1992

Construction Change Directive Construction Manager-Adviser Edition

PROJECT: <i>(Name and address)</i> Betsy Layne IIS Phase I Addition 554 Bobcat Blvd. Stanville, KY 41659	DIRECTIVE NUMBER: 001 DATE: April 12, 2017 CONTRACT FOR: Construction Admin	OWNER: <input checked="" type="checkbox"/> ARCHITECT: <input checked="" type="checkbox"/> CONSTRUCTION MANAGER: <input checked="" type="checkbox"/>
TO CONTRACTOR: <i>(Name and address)</i> Frederick & May Construction 1016 KY-172 West Liberty, KY 41472	CONTRACT DATED: January 25, 2017 PROJECT NUMBERS: 1581 / BG 16-143 /	CONTRACTOR: <input checked="" type="checkbox"/> FIELD: <input type="checkbox"/> File 1581B/CO: <input checked="" type="checkbox"/>

You are hereby directed to make the following change(s) in this Contract:

Due to wet soils encountered adjacent to site package shoring, Contractor shall, in addition to the Contract Document requirements for 1'-0" undercut and backfill at foundations, Contractor shall undercut for 60'-0" length of existing shoring. Extents shall be directed by Geotechnical Engineer.

Undercut shall be an additional 1'-0" below Contract Documents. All work shall be as directed by Geotechnical / Special Inspection Engineer. Based upon contract unit price of \$75.00 per ton and quantity of 28.6. Price not to exceed \$2,145.00.

Final change order shall be adjusted to reflect actual work in place. All work shall be monitored and quantities confirmed by Construction Manager and Special Inspection Agent. Refer to attached email for additional information.

PROPOSED ADJUSTMENTS

- The proposed basis of adjustment to the Contract Sum or Guaranteed Maximum Price is:
 - ☐ Lump Sum increase of \$0.00
 - ☒ Unit Price of \$75.00 per ton
 - ☐ as provided in Section 7.3.6 of AIA Document A201/CMa-1992.
 - ☐ as provided in Section 7.3.7 of AIA Document A232-2009.
 - ☐ as follows:
- The Contract Time is proposed to (remain unchanged). The proposed adjustment, if any, is 0 days.

Signature by the Contractor indicates the Contractor's agreement with the proposed adjustments in Contract Sum and Contract Time set forth in this Construction Change Directive.
Frederick & May Construction

CONTRACTOR *(Firm name)*

1016 KY-172, West Liberty, KY 41472

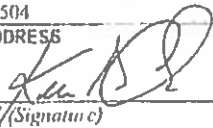
ADDRESS

BY *(Signature)*

(Typed name)

DATE:

When signed by the Owner, Construction Manager and Architect and received by the Contractor, this document becomes effective IMMEDIATELY as a Construction Change Directive (CCD), and the Contractor shall proceed with the change(s) described above.

Floyd County Board of Education	Codell Construction Company	Sherman Carter Barnhart Architects PLLC
OWNER (Firm name)	CONSTRUCTION MANAGER (Firm name)	ARCHITECT (Firm name)
106 North Front Avenue, Prestonsburg, KY	P.O. Box 17, Winchester, KY 40391	2405 Harrodsburg Road, Lexington, KY
41653		40504
ADDRESS	ADDRESS	ADDRESS
		
BY (Signature)	BY (Signature)	BY (Signature)
		Kevn G. Cheek, Principal
(Typed name)	(Typed name)	(Typed name)
		April 13, 2017
DATE	DATE	DATE

Subject: FW: Betsy Layne HS - Gym foundations adjacent to existing school

Begin forwarded message:

From: Andrew Fiehler <AFiehler@smeinc.com>
Date: April 10, 2017 at 4:16:33 PM EDT
To: Kevin Cheek <kcheek@scharchitects.com>, "Brian Scott (BScott@poageengineers.com)"
<BScott@poageengineers.com>, Brad Young <Brad.Young@ekpc.coop>
Subject: Betsy Layne HS - Gym foundations adjacent to existing school

All,

Following our site meeting and additional excavation/test pits in the foundation line segment of the new gym adjacent to the existing school building, we recommend performing the planned undercut of one foot plus an additional undercut of one foot below the planned foundation bearing elevation (2 feet undercut total). Prior to placing and compacting the DGA backfill, an S&ME technician should evaluate the excavation to verify the bearing conditions are acceptable at the minus 2 foot elevation.

Please let me know if you have any questions or if I can be of further assistance.

Andy

Andrew M. Fiehler, P.E.
Project Engineer



S&ME, Inc
2020 Liberty Road, Suite 105
Lexington, KY 40505
Ph: 859-293-5518
Fax: 859-299-2461
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afiehler@smeinc.com
www.smeinc.com

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