

DATE:

9/21/2023

AGENDA ITEM (ACTION ITEM):

Consider/Approve Change Order No. 1 with Morel Construction for the Support Operations Center Project – BG 23-173.

APPLICABLE BOARD POLICY:

01.1 Legal Status of the Board; 04.31 Authority to Encumber and Expend Funds; Capital Construction Process – 702 KAR 4:160

HISTORY/BACKGROUND:

This is the first (1st) change order for the Support Operations Center Project associated with Morel Construction. The original contract was \$20,518,787.00. This change order for an additional \$160,341.00 with no previous change orders makes the new contract sum \$20,679,128.00. In 2017 when the original Twenhofel Middle School (current site of the new Support Operations Center) was demolished, a cost savings measure was taken to leave part of the original foundation in the ground which was excavated over with dirt. This foundation has since been unearthed during the excavation of the new building and now must be removed in order to erect the Support Operations Center. Please note: this excavation work as indicated below has been completed in order to continue to move the schedule forward.

Item No 1: Undercutting at slopes, building pads and parking areas from start of project through 9/8/2023 as verified by the Geotechnical Reports.

ADD: \$ 160,341.00

TOTAL ADD: \$ 160,341.00

SUMMARY OF CHANGE ORDER FOR SCOTT PHASE V, TAYLOR MILL SITE CIRCULATION, AND WOODLAND MIDDLE ADDITION AND RENOVATION BG 21-083

The original contingency for this project	\$1,485,150.00
Total for prior approved change orders	(\$ 0.00)
Total for prior Material/Equipment purchase order changes	\$ 0.00
Total for current change orders	(\$ 160,341.00)
Contingency Balance	\$ 1,324,809.00

FISCAL/BUDGETARY IMPACT:

Addition of \$160,341.00 to the existing contract for Morel Construction.

RECOMMENDATION:

Approve Change Order No. 1 with Morel Construction for the Support Operations Center Project – BG 23-173.

CONTACT PERSON:

Matt Rigg, Chief Operations Officer

Principal/Administrator



District Administrator



Superintendent



Document G701® – 2017

Change Order

PROJECT: (Name and address)
KCSD Support Operations Center
11800 Taylor Mill Road.
Independence, Kentucky 41051

CONTRACT INFORMATION:
Contract For: General Construction
Date: 6/6/2023

CHANGE ORDER INFORMATION:
Change Order Number: 001
Date: 9/13/2023

OWNER: (Name and address)
Kenton County School District
1055 Eaton Drive
Ft. Wright, Kentucky 41017

ARCHITECT: (Name and address)
GRW
801 Corporate Drive
Lexington, Kentucky 40503

CONTRACTOR: (Name and address)
Morel Construction Co., LLC
2801 Alexandria Way
Highland Heights, Kentucky 41076

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)


Undercutting at slopes, building pads and parking areas from start of project through 09/08/2023 as verified by the Geotechnical Reports. Please note that there is an undercut from around 07/27/2023 that does not appear on the Geotechnical Report. I have not included it at this time until we get clarification regarding this undercut. See attached exhibit.


The original Contract Sum was	\$ 20,518,787.00
The net change by previously authorized Change Orders	\$ 0.00
The Contract Sum prior to this Change Order was	\$ 20,518,787.00
The Contract Sum will be increased by this Change Order in the amount of	\$ 160,341.00
The new Contract Sum including this Change Order will be	\$ 20,679,128.00

The Contract Time will be increased by Twenty-one (21) days.
The new date of Substantial Completion will be December 26, 2024.

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

GRW
ARCHITECT (Firm name)

SIGNATURE
DAVID D. VAUGHT P.M.
PRINTED NAME AND TITLE
9/14/23
DATE

Morel Construction Co., LLC
CONTRACTOR (Firm name)

SIGNATURE
Adolph F. Zell, Vice President
PRINTED NAME AND TITLE
9/14/23
DATE

Kenton County School District
OWNER (Firm name)

SIGNATURE

PRINTED NAME AND TITLE

DATE



2801 ALEXANDRIA Way
HIGHLAND HEIGHTS, KY 41076
858-442-7100 FAX: 859-442-8175

REQUEST FOR CHANGE ORDER

MOREL CONSTRUCTION CO., LLC

GRW Inc.
801 Corporate Drive
Lexington, KY 40503

Attn: Mr. David Vaught

Request No. 1-Revised

X-No. 1

Project **Kenton County School District
Support Operations Center**

Project No. 23-02

We hereby request your formal Change Order to our contract for the following changes in the Scope of Work.

Undercutting at slopes, building pads and parking areas from start of project through 09/08/2023 as verified by the Geotechnical Reports. Please note that there is an undercut from around 07/27/2023 that does not appear on the Geotechnical Report. I have not included it at this time until we get clarification regarding this undercut.

Undercutting at contract and agreed upon unit prices in accordance with attached
Spreadsheet.

\$129,291.00

TOTAL

\$129,291.00

Total ADDITIONAL amount of this Request for Change Order

\$129,291.00

This Request is Valid for 5 Days
A Time Extension of 19 Days is Included in this Request

~~A. We are proceeding with this work as per verbal authorization of~~

B. We have completed this work as per verbal authorization of

Matt Rigg

~~C. We will proceed with this work only upon receipt of this signed authorization, or formal Change Order.~~

SIGNED: _____

DATE: _____

MOREL CONSTRUCTION CO., LLC

1. EMAILED - Architect
2. ORIGINAL - Owner/Arch. File
3. COPY - X File

By: Adolph F. Zell
Adolph F. Zell, Vice President

September 15, 2023
Date

Undercutting Through 090823 Owner

Undercutting	Date	Yardage	Morel Cost	Morel Total	Days of Delay
Unsuitable Soil Removal and Reuse	7/12/2023	161	\$16.00	\$2,576.00	0
Unsuitable Soil Removal and Reuse	7/20/230	48	\$16.00	\$768.00	0
Unsuitable Soil Removal and Reuse	7/24/2023	85	\$16.00	\$1,360.00	0
Undercut Soil/Trash Removal and Import	Various	2049	\$31.00	\$63,519.00	10
Undercut Soil Removal and Import	8/9/2023	116	\$31.00	\$3,596.00	0
Undercut Soil Removal and Reuse	8/18/2023	59	\$16.00	\$944.00	0
Unsuitable Soil Removal and Reuse	8/28/2023	2314	\$16.00	\$37,024.00	5
Unsuitable Soil Removal and Reuse	8/29/2023	1099	\$16.00	\$17,584.00	4
Unsuitable Soil Removal and Reuse	8/30/2023	120	\$16.00	\$1,920.00	0
			Total	\$129,291.00	19

Date: 07/12/2023
Client: Kenton County Board of Education
Project: J041763.02
Kenton County School District Support Ops
Center
Independence, KY

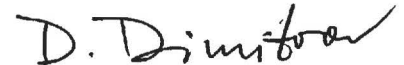
Letter of Transmittal

Comments:

Undercut areas observed included west fuel station slope. Observed undercuts for the purpose of removing soft soils. Approximately 1.5 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 85 feet x 34 feet for an approximate total of 160.55 cubic yards. Observations were reviewed with the contractor.

Geotechnology Representative: Dobry D. Dimitrov

Signed:



CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
Mittle, Seth (GRW) (e)
Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

Notice: The Geotechnology representative is on site solely to observe specific operations and report opinions to our client. The presence and activities of the Geotechnology field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.

Date: 07/20/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops Center
 Independence, KY

Daily Field Report

Contractor: Morel Construction

Plans By: GRW Engineering

Site Contact: Anthony

Plans Dated: 06/12/2023

Temperature/Weather: 88°F Ptl. Cloudy

Arrival: 07:45 **Departure:** 18:15 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 12.00

Item(s) Observed: Field Density Testing
Subgrade Undercut

In General Conformance
In General Conformance

Location and Description of Observation(s):

Performed field density tests on fill material placed on the West fill. The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Undercut areas observed included the undercut/removal of the MH discovered in the West Fuel Station area. Observed undercuts for the purpose of removing MH. Approximately 4.5 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 16'x18' for an approximate total of 48 cubic yards. Observations were reviewed with the contractor.

Field Density Test Results

Area Being Filled: West Fill

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: 4 Mixture of brown SILTY CLAY, olive brown shale, and limestone floaters

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	West Fuel Station, 5'S, 10'E	889.0	104.7@19.0 ¹⁰	103.5	20.5	6"	99	2.0/3.0	98	Pass
2	West Fuel Station, 5'S, 10'E	890.0	108.0@17.0 ⁴	110.4	17.9	6"	100+	2.0/3.0	98	Pass
3	West Fuel Station, 50'S, 15'E	889.0	108.0@17.0 ⁴	110.8	17.6	6"	100+	2.0/3.0	98	Pass
4	West Fuel Station, 125'S, 15'E	887.0	108.0@17.0 ⁴	109.9	19.5	6"	100+	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks: The contractor removed the discovered MH in the west fuel station area. The writer contacted our project engineer about clay pipes, direction was given to leave them in place. The SI and the grading contractor were familiarized.













To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
Mittle, Seth (GRW) (e)
Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

Notice: The Geotechnology representative is on site solely to observe specific operations and report opinions to our client. The presence and activities of the Geotechnology field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.

Date: 07/24/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops Center
 Independence, KY

Daily Field Report

Contractor: Morel Construction

Plans By: GRW Engineering

Site Contact: Anthony

Plans Dated: 06/12/2023

Temperature/Weather: 78°F Sunny

Arrival: 07:30/14:45 **Departure:** 12:30/18:00 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 9.75

Item(s) Observed: Subgrade Undercut
Field Density Testing

In General Conformance
In General Conformance

Location and Description of Observation(s):

The writer visited the site as requested.

The contractor continued removing the unsuitable material from the SW area. The old building pad was completely exposed and surveyed by Viox. The writer asked the contractor to step up the excavation on top of the light brown clay.

Later the contractor exposed some foundations and the project engineer and the SI were informed.

Undercut area(s) observed included SW slope.

Observed undercut(s) for the purpose of removing soft to medium stiff clays. Approximately 1.5 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 85 feet x 18 feet for an approximate total of 85 cubic yards. Observations were reviewed with Karl.

Field Density Test Results

Area Being Filled: West Fuel Tank Area

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: 9 Mixture of brown clay, olive brown SHALE, trace limestone

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	West Fuel Station 130' S, 40' E	888.0	104.7@18.9 %	103.8	20.3	6"	99	2.0/3.0	98	Pass
2	West Fuel Station 100' S, 25' E	889.0	104.7@18.9 %	104.9	20.0	6"	100	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks: Contractor was notified of the test results.



To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
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Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

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Date: 08/09/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops
 Center
 Independence, KY

Daily Field Report

Contractor: R.E.D.S, LLC

Plans By: GRW Engineering

Site Contact: Karl

Plans Dated: 06/12/2023

Temperature/Weather: 80°F Ptl. Cloudy

Arrival: 08:00 **Departure:** 17:00 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 10.50

Item(s) Observed: Field Density Testing
 Subgrade Undercut

In General Conformance
 See Description

Location and Description of Observation(s):

Performed field density tests on fill material placed at the Salt Dispenser

The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Undercut area(s) observed included the south slope of the Salt Dispenser.

Observed undercut(s) for the purpose of removing soft soils. Approximately 4 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 29 feet x 27 feet for an approximate total of 116 cubic yards. Observations were reviewed with Karl.

Field Density Test Results

Area Being Filled: Salt Dispenser

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: 4 Mixture of brown SILTY CLAY, olive brown shale, and limestone floaters
13 Mixture of brown CLAY, olive brown and gray shale with limestone

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

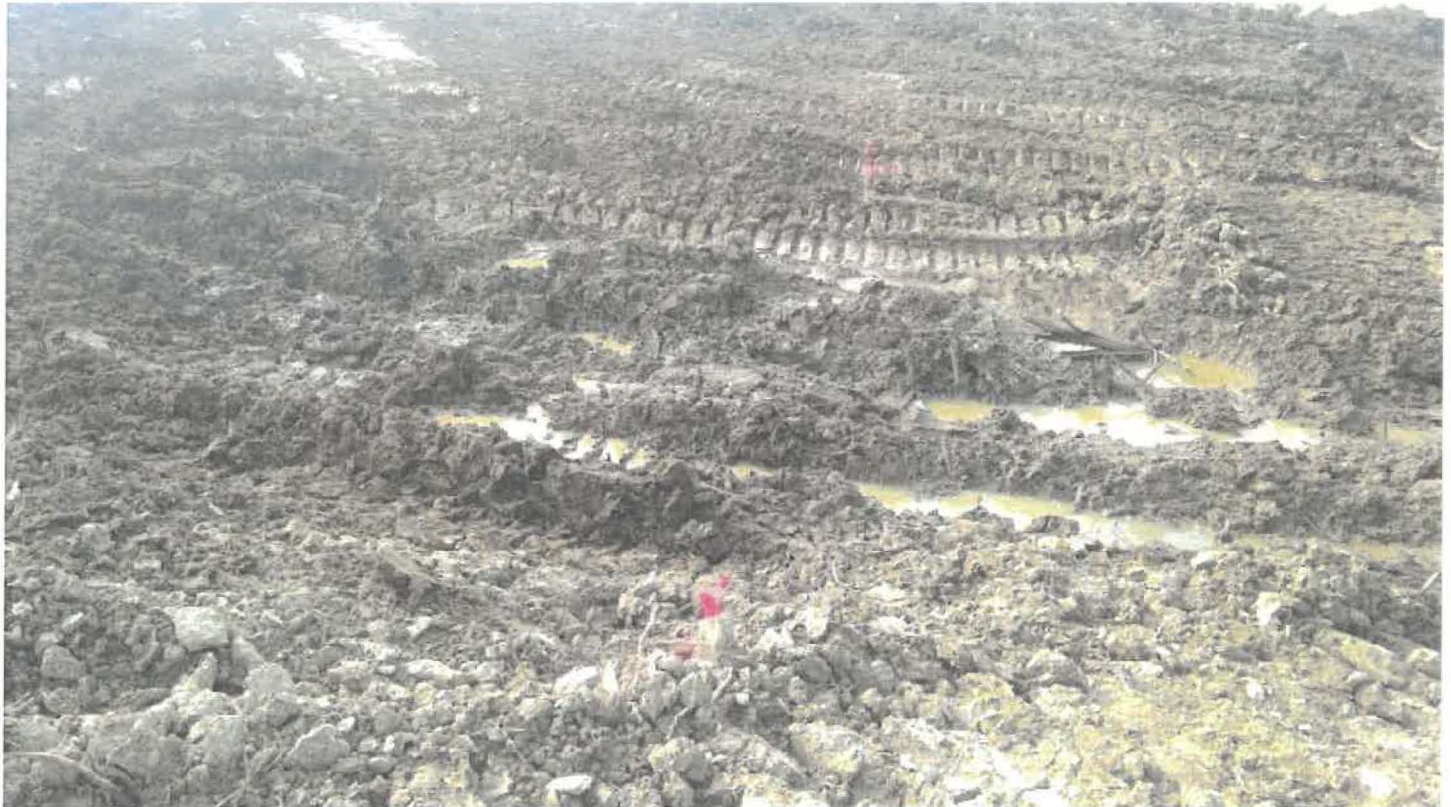
Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	SW corner of Salt Dispenser corner 35°N, 30°W	885.0	108.0@17.0 ⁴	108.6	16.9	6"	100+	2.0/3.0	98	Pass
2	SW corner of Salt Dispenser corner 35°N, 25°W	886.0	108.0@17.0 ⁴	110.0	16.2	6"	100+	2.0/3.0	98	Pass
3	SW corner of Salt Dispenser corner 30°N, 30°W	887.0	108.0@17.0 ⁴	106.4	17.1	6"	99	2.0/3.0	98	Pass
4	SW corner of Salt Dispenser corner 45°N, 20°W	888.0	108.0@17.0 ⁴	110.9	16.6	6"	100+	2.0/3.0	98	Pass



Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
5	SW corner of Salt Dispenser corner 35'N, 5'W	890.0	108.0@17.0 ⁴	109.1	16.8	6"	100+	2.0/3.0	98	Pass
6	SW corner of Salt Dispenser corner 45'N, 5'W	891.0	117.8@13.1 ¹³	117.8	13.1	6"	100	2.0/3.0	98	Pass
7	SW corner of Salt Dispenser corner 30'N	893.0	117.8@13.1 ¹³	115.6	13.9	6"	98	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks: Contractor was notified of the test results.











To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
Mittle, Seth (GRW) (e)
Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

Notice: The Geotechnology representative is on site solely to observe specific operations and report opinions to our client. The presence and activities of the Geotechnology field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.



Date: 08/18/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops Center
 Independence, KY

Daily Field Report

Contractor: Morel Construction

Plans By: GRW Engineering

Site Contact: Anthony

Plans Dated: 06/12/2023

Temperature/Weather: 79°F Sunny

Arrival: 08:00 **Departure:** 15:00 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 8.50

Item(s) Observed: Subgrade Undercut
Field Density Testing

In General Conformance
In General Conformance

Location and Description of Observation(s):

Undercut area observed included the Driveway SW from the south Building Facility. Observed undercuts for the purpose of removing soft yielding soils. Approximately 2 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 38'x21' for an approximate total of 59 cubic yards. Observations were reviewed with the contractor.

Performed field density tests on fill material placed south from the Building Facility. The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Field Density Test Results

Area Being Filled: South from the south Building Facility.

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: ¹³ Mixture of brown CLAY, olive brown and gray shale with limestone

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	SW Facility Corner, 80'S, 65'E	893.0	117.8@13.1 ¹³	117.1	15.3	6"	99	2.0/3.0	98	Pass
2	SW Facility Corner, 85'S, 90'E	894.0	118.1@12.7 ¹	120.6	13.2	6"	100+	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks: Soft yielding area of the driveway was excavated to -3.0'SG.



To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
Mittle, Seth (GRW) (e)
Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

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Date: 08/28/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops
 Center
 Independence, KY

Daily Field Report

Contractor: R.E.D.S, LLC

Plans By: GRW Engineering

Site Contact: Karl (859)380-3765

Plans Dated: 06/12/2023

Temperature/Weather: 80°F Sunny

Arrival: 08:00 **Departure:** 17:45 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 11.25

Item(s) Observed: Field Density Testing
Subgrade Undercut

In General Conformance
In General Conformance

Location and Description of Observation(s):

Performed field density tests on fill material placed on the North building area. The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Undercut area(s) observed included North building area. Observed undercut(s) for the purpose of removing old fill, sediments, soft soils. Approximately 8.2 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 127 feet x 60 feet for an approximate total of 2314.22 cubic yards. 37'x34'x15' = 698.88 were already given. Net for today is 1615.34 cu yd. Observations were reviewed with contractor.

Field Density Test Results

Area Being Filled: north building area

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: ¹³ Mixture of brown CLAY, olive brown and gray shale with limestone

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	NW building corner, 140'S, 35'W	883.0	117.8@13.1 ¹³	115.5	13.3	6"	98	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks: The west undercut offset was established after surveying the undercut bottom of the west building line. The caving area south from the building line cut was decided to be rolled in place since it will be improved by the piers.













To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
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Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

Notice: The Geotechnology representative is on site solely to observe specific operations and report opinions to our client. The presence and activities of the Geotechnology field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.



Date: 08/29/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops
 Center
 Independence, KY

Daily Field Report

Contractor: R.E.D.S, LLC

Plans By: GRW Engineering

Site Contact: Karl (859)380-3765

Plans Dated: 06/12/2023

Temperature/Weather: 80°F Sunny

Arrival: 08:15 **Departure:** 17:00 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 10.25

Item(s) Observed: Field Density Testing
Subgrade Undercut

In General Conformance
In General Conformance

Location and Description of Observation(s):

Performed field density tests on fill material placed on the north building area. The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Undercut area(s) observed included the North building area. Observed undercut(s) for the purpose of removing old fill, sediments and soft soils. Approximately 5.8 and 2.75 feet respectively of material was removed from below existing subgrade. Approximate dimensions of material removed today was 125 feet x 37 feet and 38.5'x27' for an approximate total of 1099.38 cubic yards. Observations were reviewed with Contractor.

Field Density Test Results

Area Being Filled: North building area

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: ¹³ Mixture of brown CLAY, olive brown and gray shale with limestone
⁵ Sample 1 Gray Shale

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	NW building corner 170'S 30'W	885.0	117.8@13.1 ¹³	117.2	14.9	6"	99	2.0/3.0	98	Pass
2	NW building corner 155'S 15'W	887.0	117.8@13.1 ¹³	116.7	16.0	6"	99	2.0/3.0	98	Pass
3	NW building corner 165'S 40'W	887.5	117.8@13.1 ¹³	120.2	12.8	6"	100+	2.0/3.0	98	Pass
4	NW building corner 165'S 15'E	890.0	123.2@11.9 ⁵	125.2	11.8	6"	100+	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks:









To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
Mittle, Seth (GRW) (e)
Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

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Date: 08/30/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops Center
 Independence, KY

Daily Field Report

Contractor: R.E.D.S, LLC

Plans By: GRW Engineering

Site Contact: Karl (859)380-3765

Plans Dated: 06/12/2023

Temperature/Weather: 78°F Sunny

Arrival: 08:00 **Departure:** 17:30 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 11.00

Item(s) Observed: Field Density Testing
 Subgrade Undercut

In General Conformance
 In General Conformance

Location and Description of Observation(s):

Performed field density tests on fill material placed north building area. The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Undercut area(s) observed included the caving at the south undercut line. Observed undercut(s) for the purpose of measuring the caved in material. Approximately 5 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 54 feet x 12 feet for an approximate total of 120 cubic yards. Observations were reviewed with Contractor.

Field Density Test Results

Area Being Filled: North building

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: 4 Mixture of brown SILTY CLAY, olive brown shale, and limestone floaters
 13 Mixture of brown CLAY, olive brown and gray shale with limestone

Gauge Information: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	NW building corner 130'S 35'E	893.0	108.0@17.0 ⁴	108.5	19.9	6"	100	2.0/3.0	98	Pass
2	NW building corner 135'S	891.0	117.8@13.1 ¹³	119.3	14.5	6"	100+	2.0/3.0	98	Pass
3	NW building corner 140'S 10'W	890.5	108.0@17.0 ⁴	107.7	15.9	6"	100	2.0/3.0	98	Pass
4	NW building corner 160'S 40'W	889.5	117.8@13.1 ¹³	117.8	13.1	6"	100	2.0/3.0	98	Pass
5	NW building corner 155'S 20'E	891.5	117.8@13.1 ¹³	115.4	15.9	6"	98	2.0/3.0	98	Pass
6	NW building corner 130's	893.5	117.8@13.1 ¹³	115.5	15.2	6"	98	2.0/3.0	98	Pass



† Gauge calibration data is on file at our office and available upon request.

Remarks: The caved area of the south undercut line was measured and reported as undercut. The contractor and the SI were present.





To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
Zell, Adolph (Morel Construction) (e)
Medelen (GRW) (e)
Mittle, Seth (GRW) (e)
Beremeier, Anthony (Morel Construction) (e)

Marcum (GRW) (e)
Vaught, David (GRW) (e)
Roderick, Saylor (GRW) (e)
Pfefferman, Kevin (Kenton County Board of Education) (e)

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2801 ALEXANDRIA Way
HIGHLAND HEIGHTS, KY 41076
858-442-7100 FAX: 859-442-8175

REQUEST FOR CHANGE ORDER

MOREL CONSTRUCTION Co., LLC

GRW Inc.
801 Corporate Drive
Lexington, KY 40503

Attn: Mr. David Vaught

Request No. 2
X-No. 2
Project **Kenton County School District
Support Operations Center**
Project No. 23-02

We hereby request your formal Change Order to our contract for the following changes in the Scope of Work.

Backfill of foundations as verified by the Geotechnical Engineer through 09/08/2023. T&M removal and disposal has not yet been completed or billed for.

Backfilling at agreed upon unit prices in accordance with attached Spreadsheet. \$31,050.00

TOTAL

\$31,050.00

Total ADDITIONAL amount of this Request for Change Order

\$31,050.00

This Request is Valid for 5 Days
A Time Extension of 2 Days is Included in this Request

~~A. We are proceeding with this work as per verbal authorization of~~ _____

B. We have completed this work as per verbal authorization of _____

Matt Rigg

~~C. We will proceed with this work only upon receipt of this signed authorization, or formal Change Order.~~

SIGNED: _____

DATE: _____

MOREL CONSTRUCTION Co., LLC

1. EMAILED - Architect
2. ORIGINAL - Owner/Arch. File
3. COPY - X File

By: *Adolph F. Zell*
Adolph F. Zell, Vice President

September 15, 2023
Date

Foundation Removal and Backfill Through 090823 Owner

Foundation Removal Backfill	Date	Yardage	Morel Cost	Morel Total	Days of Delay
Foundation Backfill	9/8/2023	1242	\$25.00	\$31,050.00	2
			Total	\$31,050.00	2



Date: 09/08/2023
Client: Kenton County Board of Education
Project: J041763.02
 Kenton County School District Support Ops Center
 Independence, KY

Daily Field Report

Contractor: Morel Construction

Plans By: GRW Engineering

Site Contact: Anthony

Plans Dated: 06/12/2023

Temperature/Weather: 78°F Sunny

Arrival: 08:00 **Departure:** 16:00 **Travel (hrs):** 1 **Office/Lab (hrs):** 0.5 **Total (hrs):** 9.50

Item(s) Observed: Field Density Testing
Subgrade Undercut

In General Conformance
In General Conformance

Location and Description of Observation(s):

Performed field density tests on fill material placed on the north Building Pad. The compaction and moisture content results comply with project specifications at the locations and elevations tested. The contractor was notified of test results.

Undercut areas observed included old foundations around the loading dock. Observed undercuts for the purpose of removing old foundations. Approximately 8-9 feet of material was removed from below existing subgrade. Approximate dimensions of material removed today was 101'x27'x9'; 44'x10'x10'; 45'x18'x6' and 17'x10'x8' for an approximate total of 1242 cubic yards. Observations were reviewed with the contractor.

Field Density Test Results

Area Being Filled: North Building Pad

Compaction Equipment: CAT 815 Compactor

Description of Fill Material: ¹⁵ Mixture of Brown Clay and Shale,
Little sediments and gravel

Gauge Information †: 7472

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	NW Building Corner, 105'S, 80'E	900.0	111.1@16.2 ¹⁵	112.4	17.3	6"	100+	2.0/3.0	98	Pass
2	NW Building Corner, 135'S, 80'E	900.0	111.1@16.2 ¹⁵	111.2	17.9	6"	100	2.0/3.0	98	Pass

† Gauge calibration data is on file at our office and available upon request.

Remarks: The undercut depths were obtained by the contractors GPS as distances from the bottom to the SG.







To the best of my knowledge, work observed today was in general conformance with the project plans and specifications, except discrepancies noted above, if any.

Geotechnology Representative: Dobry D. Dimitrov

Signed:

D. Dimitrov

CC: Piper, Jimmy (GRW) (e)
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