

RESOLUTION NO. 2017-121

A RESOLUTION AUTHORIZING THE ISSUANCE OF AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 1, TO CONTRACT NO. C16-0033, ISSUED TO MOUNT CONSTRUCTION CO, INC., BERLIN, NJ, IN THE AMOUNT OF \$119,030.00.

WHEREAS, the City Council of the City of Vineland, on March 8, 2016, adopted Resolution No. 2016-79, entitled “A RESOLUTION AWARDING A CONTRACT TO MOUNT CONSTRUCTION CO., INC., BERLIN, NJ FOR THE COMPLETION OF BLACKWATER BRANCH CULVERT REPLACEMENT, IN THE AMOUNT OF \$481,606.00”; and

WHEREAS, N.J.A.C. 5:30-11.9 sets forth the procedures for processing change orders which exceed the 20 percent limitation; and

WHEREAS, the City Engineer has requested that an amendment be made to contract awarded to Mount Construction Co., Inc., Berlin, NJ for the Completion of Blackwater Branch Culvert Replacement, as authorized by Resolution No. 2016-79, said amendment is made necessary to mitigate hazardous conditions and to keep water from breaching the work area; and

WHEREAS, this change order will include the temporary sheetpiling as extra work, will also provide for an 18 SF overage on construction signage and provide an additional twenty-two (22) weeks to complete the project, due to NJDEP work restrictions from 3/1 to 6/30 in the streambed; and

WHEREAS, the City Engineer will seek reimbursement from the Federal Highway Administration for this change order under the Federal Project No. STP-C00S (820); and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.9, and to that end herewith files with the governing body a report stating the facts involved and indicating that said change order may be allowed under these regulations; and

WHEREAS, the Chief Financial Officer has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of \$119,030.00;

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order #1 to Contract No. C16-0033, issued to Mount Construction Co., Inc., Berlin, NJ, in the amount of \$119,030.00, be and the same is hereby ratified and approved.

BE IT FURTHER RESOLVED, that the Mayor of the City of Vineland is hereby authorized to execute a Modification Agreement between the New Jersey Department of Transportation and the City of Vineland with respect to this change order for the Blackwater Branch Culvert Replacement – West Avenue at Blackwater Branch, under Federal Project No. STP-C00S (820).

Adopted:

President of Council

ATTEST:

City Clerk



February 21, 2017

TO THE MAYOR AND COUNCIL
OF THE CITY OF VINELAND

RE: Amendatory Supplemental Change Order No. 1
Contract No. C16-0033
Completion of Blackwater Branch Culvert Replacement

We are requesting an amendatory supplemental change order to Contract No. C16-0033, issued to Mount Construction Co., Inc., Berlin, NJ for the Completion of Blackwater Branch Culvert Replacement. This contract was authorized by Resolution No. 2016-79, adopted by City Council on March 8, 2016.

The change order requested, in the amount of \$119,030.00, provides for the necessary to mitigate hazardous conditions and to keep water from breaching the work area, as more particularly described in the attached request. This change order will provide for temporary sheetpiling and will for an 18 SF overage on construction signage. This also provides for an additional twenty-two (22) weeks to complete the project, due to NJDEP work restrictions from 3/1 to 6/30 in the streambed.

This change order represents, an increase of approximately 24.7153% over the original contract amount of \$481,606.00.

The amendatory supplemental change order which exceeds the 20% limitation, for which authorization is herein requested, may be authorized in accordance with N.J.A.C. 5:30-11.9.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Robert Dickenson", is written over the typed name.

Robert Dickenson
Assistant Business Administrator

RD/wr
Encl.

Brian N. Myers, PE, CME
City Engineer
bmyers@vinelandcity.org
www.vinelandcity.org

640 E. Wood Street
PO Box 1508
Vineland, NJ 08360-1508
Phone: (856) 794-4090
Fax: (856) 405-4606

February 14, 2017



MEMORANDUM TO:  Bob Dickenson, Business Administrator

RE: Blackwater Branch Culvert Replacement
West Avenue at Blackwater Branch
Federal Project No. STP-C00S(820)
Federal Agreement No. 15-DT-BLA-719
City Eng. Project No. 13-015

Enclosed, please find a copy of a Request For Change Order for an additional \$119,030.00 to the above referenced project.

It was found that the cofferdams, that were built to plan, were ineffective due to unforeseen soil and hydrologic conditions on the site. The result has caused safety issues in the work areas and would require temporary sheetpiling to maintain a safe and effective work environment. See attached Change Order Justification CO#1 and supporting documentation for further explanation. The bulk of this change order would include the temporary sheetpiling as extra work. We feel this is a necessary change order to mitigate hazardous conditions and to keep water from breaching the work areas.

We will be seeking reimbursement from the Federal Highway Administration (FHWA) for this change order. Typically this process would require approval of the Local Change Order from City Council. The Local Change Order would then be sent to NJDOT with the approved resolution seeking additional funding. In turn, NJDOT will provide to us an agreement modification which will, again, require to go before council. To reduce the amount of time required to process this Change Order, we request the resolution in the Local Change Order approval to include language authorizing the mayor to execute the Agreement Modification related to this Change Order #1.





Brian N. Myers, PE, CME
City Engineer
bmyers@vinelandcity.org
www.vinelandcity.org

640 E. Wood Street
PO Box 1508
Vineland, NJ 08360-1508
Phone: (856) 794-4090
Fax: (856) 405-4606

Please place this request for change order on the agenda for approval at the February 28, 2017 City Council Meeting. Upon approval, four (4) original signature copies of the Request For Change Order, and a certified copy of the approving resolution must be forwarded to NJDOT.

Should you have any questions and/or comments, please feel free to contact Rick Caudill at extension 4608.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian", with a long, wavy horizontal line extending to the right.

Brian N. Myers, P.E., C.M.E.
City Engineer

Cc: Michael Mercado, PA



Special arrangements for persons with disabilities may be made if requested in advance by contacting the Business Administrator's office at 856-794-4144.

REQUEST FOR CHANGE ORDER



FOR:

BLACKWATER BRANCH CULVERT REPLACEMENT

PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: PW / ENGINEERING

FROM: RICK CAUDILL

This is a request for change order # 1 to Contract # C16-0033 for:

Project Name BLACKWATER BRANCH CULVERT REPLACEMENT

Name/Address of

Contractor: MOUNT CONSTRUCTION COMPANY, INC. / 427 S. WHITE HORSE PIKE, P.O. BOX 619, BERLIN, NJ 08009

The change order is necessary because: (use additional pages if necessary to explain your reason and you must attach *documentation to support the necessity of this change order.

*(Documentation from contractor, engineer, etc.)

SEE ATTACHED

Original Contract Amount:	\$ 481,606.00	TIME EXTENSION: 22 WEEKS
Amount of this change order:	\$ +119,030.00	
Previous Change Orders:	\$ 0	
Total Revised Amount:	\$ 600,636.00	

APPROVED BY: Brian N. Myers
Print/type

Signature

NOTE:
CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT

Please provide the account number that the change order will be charged to:

Account # 021-0-00-00-0000-2-5518615

CC: Purchasing Division

Change Order Justification

CO #1

CONSTRUCTION SERVICES FOR BLACKWATER BRANCH **CULVERT REPLACEMENT**

A sandbag cofferdam was installed upstream of the culvert by the contractor on 12/1/2016. The structure was in general conformance with the contract plans and approved submittals. It was found that the cofferdam was not effective in holding back water due to existing unforeseen soil and hydrologic conditions in the streambed (See attached Inspection Reports). Water proceeding past the cofferdam results in a condition that is unsafe for workers in the project area. In order to provide a safe working environment to complete the project, the best solution is to replace the sandbag cofferdam with temporary sheet piles, which will be installed below the assumed bottom of the adverse soil conditions.

A meeting was held with Mount Construction, Remington & Vernick (Resident Engineer), and the City Engineer on December 7, 2016 to observe the impacts on site and discuss options. It was determined that current impacts were a safety concern for workers on both east and west side cofferdams. To mitigate the excess water breaching work areas, it was unanimously decided that temporary sheeting and soldier piles was the most sufficient option for the East and West sides, respectively. After reviewing the West side soldier piling, it was found to be much more invasive, less effective, and more costly than using sheetpiling (See attached Courel Engineering narrative). Due to these factors, soldier piling was omitted and sheetpiling was deemed a more viable option for the West side.

Temporary sheeting was engineered, reviewed, and approved. A cost for work was negotiated with Mount Construction as a new line item for the lump-sum amount of \$118,850.00 (See Attached Cost Proposal & Cost Breakdown). Also, a Field Order has been issued to

proceed with the temporary sheeting and an additional 22 weeks to complete the project due to NJDEP work restrictions from 3/1 to 6/30 in the streambed (See attached Field Order).

Additionally, there was an 18 SF overage on construction signage that will need to be compensated at the contract unit price of \$10.00/SF for a total of \$180.00.

The combined amount, \$119,030.00, totals a 24.7% increase in the project cost. The bulk of this increase is considered a necessary change to mitigate hazardous conditions and maintain a safe working environment.

INSPECTOR'S DAILY RECORD OF WORK PROGRESS

DATE: 12/1/16

DAY: S M T W Th F S

PROJECT TITLE Blackwater Culvert PROJECT NO. _____
 FEATURE Cofferdam
 CONTRACTOR Mount Construction TYPE OF WORK _____
 SUB-CONTRACTOR _____ TYPE OF WORK _____

WEATHER _____
 TEMP. _____
 WIND _____
 HUMIDITY _____

Bright Sun	Clear	Overcast	Fog	Snow
Ta 32°	32° - 59°	50° - 70°	10° - 15°	15° - 32°
Nil	Moderate	High	Variable	
DD	Moderate	Humid	85	

Contractor worked

CONTRACTOR'S WORK FORCE (Indicate classifications, including Subcontractor personnel)

1 superintendent, 1 foreman, 1 operator, 3 laborers

SUB:

EQUIPMENT IN USE OR IDEED (Identify which)

excavator, front loader, 6" pump

SUB:

MATERIALS OR EQUIPMENT DELIVERED

steel rebar

NON-CONFORMING MATERIALS OR WORK (Describe reason for non-conformance)

FIELD PROBLEMS (Which could result in delay or claim)

QUANTITIES OF PAY ITEMS PLACED

SUMMARY OF CONSTRUCTION ACTIVITIES:

Contractor present continuing w/ construction of cofferdam as per plan detail. Crew continued w/ cofferdam sand bags w/ poly covering them as per detail. Even with bags set up, water continues to breach into work area past cofferdam.

DISTRIBUTION 1. Field Office
 2. Inspector

Inspector: Hynd Gully

As the agent of the General Contractor, I agree with the information contained in this document, fully concurring with the quantities of pay items delivered.

Contractor: _____

- 6^o pump continues to run to try to keep area dry.
- (2) spring wells were discovered at toe of Cofferdam, which is approx 1/2 way completed.

INSPECTOR'S DAILY RECORD OF WORK PROGRESS

DATE: 12/2/16

DAY S M T W T **F** S

PROJECT TITLE Blackwater Culvert PROJECT NO. _____
 FEATURE Cofferdam
 CONTRACTOR Mount Construction TYPE OF WORK _____
 SUB-CONTRACTOR _____ TYPE OF WORK _____

WEATHER
TEMP.
WIND
HUMIDITY

Bright Sun	Clear	Overcast	Rain	Snow
Ta 31°	32° - 50°	50° - 70°	10° - 15°	15° Up
Sill	Moderate	High	Report No.	
Dry	Moderate	Humid	26A	

CONTRACTOR'S WORK FORCE (Indicate classifications, including Subcontractor personnel)

1 superintendent, 1 foreman, 1 open, 3 laborers

SUB:

EQUIPMENT IN USE OR IDEED (Identify which)

excavation front loader, 6" pump

SUB:

MATERIALS OR EQUIPMENT DELIVERED

NON-CONFORMING MATERIALS OR WORK (Describe reason for non-conformance)

FIELD PROBLEMS (Which could result in delay or claim)

Excessive water branching under Cofferdam on east side of West Ave

QUANTITIES OF PAY ITEMS PLACED

SUMMARY OF CONSTRUCTION ACTIVITIES

Crew continues w/ Cofferdam construction as per plan. 6" pump still needed for dewatering. See report from Joe Trivelpiece for afternoon activities.

DISTRIBUTION 1. Field Office
 2. Inspector

Inspector

Robert G. G. G.

As the agent of the General Contractor, I agree with the information contained in this document, fully concurring with the quantities of pay items delivered.

Contractor

INSPECTOR'S DAILY RECORD OF WORK PROGRESS

DATE: 12/6/16

DAY: S M **T** W T F S

PROJECT TITLE Blackwater Culvert PROJECT NO. _____
 FEATURE Temp Cofferdam
 CONTRACTOR Mount Construction TYPE OF WORK _____
 SUB-CONTRACTOR _____ TYPE OF WORK _____

WEATHER _____
 TEMP. _____
 WIND _____
 HUMIDITY _____

Bright Sun	Clear	<u>Overcast</u>	Fog	Snow
To 32°	<u>32° - 50°</u>	50° - 70°	70° - 85°	85° Up
Still	<u>Moderate</u>	High	Report No.	
<u>Dry</u>	Moderate	Humid	20	

Contractor worked 7am - 12pm

CONTRACTOR'S WORK FORCE (Indicate classifications, including Subcontractor personnel)

1 foreman, 1 operator, 3 laborers

SUB:

EQUIPMENT IN USE (Identify which)

excavator, front loader, 6" pump

SUB:

MATERIALS OR EQUIPMENT DELIVERED

NON-CONFORMING MATERIALS OR WORK (Describe reason for non-conformance)

FIELD PROBLEMS (Which could result in delay or claim)

excessive water breaching under cofferdam of east side of West Ave

QUANTITIES OF PAY ITEMS PLACED

SUMMARY OF CONSTRUCTION ACTIVITIES

Contractor present continuing w/ temp cofferdam construction on the west side of West Avenue. Trench of a minimum of 10" was excavated as per plan detail to start cofferdam w/ plastic wrap. Only a few bag layers were able to be placed before

DISTRIBUTION 1. Field Office
 2. Inspector

Inspector Robert G. Gully

As the agent of the General Contractor, I agree with the information contained in this document, fully concurring with the quantities of pay items delivered.

Contractor _____

sandbag supply ran out. Contractor had to return to yard today + tomorrow to fill more bags. Barricades + signs were repositioned to their desired locations. The 6" pump continued to run + move water to silt bag. Returned to office to upload pictures.

INSPECTOR'S DAILY RECORD OF WORK PROGRESS

DATE: 12/7/16

DAY:

S	M	T	W	T	F	S
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PROJECT TITLE Blackwater Culvert PROJECT NO. _____
 FEATURE _____
 CONTRACTOR Mount Construction TYPE OF WORK _____
 SUB-CONTRACTOR _____ TYPE OF WORK _____

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP.	Ta 32°	32° - 50°	50° - 70°	70° - 85°	85° Up
WIND	Sill	Moderate	High	Report No.	
HUMIDITY	Dry	Moderate	Humid	29	

CONTRACTOR'S WORK FORCE (Indicate classifications, including Subcontractor personnel)

1 superintendent

SUB: _____

EQUIPMENT IN USE OR IDEED (Identify which)

SUB: _____

MATERIALS OR EQUIPMENT DELIVERED

NON-CONFORMING MATERIALS OR WORK (Describe reason for non-conformance)

FIELD PROBLEMS (Which could result in delay or claim)

QUANTITIES OF PAY ITEMS PLACED

SUMMARY OF CONSTRUCTION ACTIVITIES

Met w/ Mount's superintendent, R+V's P.M., + 3 city engineers on site this morning to discuss possible sheeting for elimination of water/silt infiltration into new culvert area. Returned to office to create folder of paperwork copies for Viseland City

DISTRIBUTION
 1. Field Office
 2. Inspector

Inspector: Robert Gallego

As the agent of the General Contractor, I agree with the information contained in this document, fully concurring with the quantities of pay items delivered.

Contractor: _____

Upstream

Attachment 2



Downstream



COUREL ENGINEERING, LLC

Consulting Engineers

9 Wren Way
Bridgewater, NJ 08807

Tel: 908-526-8629
Fax: 908-526-8614

January 5, 2017

Mr. Gregory Cardamone, P.E.
Project Engineer
Mount Construction Inc.
427 S. White Horse Pike
PO Box 619
Berlin, NJ 08009

Re: Design of Temporary Sheeting
Blackwater Branch Culvert Replacement
North West Avenue
City of Vineland, Cumberland County, NJ

Dear Mr. Cardamone:

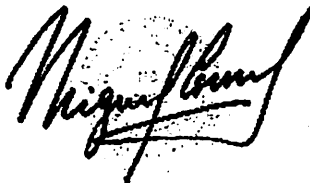
For your information, this office originally designed soldier piles with steel plate lagging at the downstream side of the above referenced project. The results of the design are as follows:

1. We tried soldier piles grade 36 steel spaced at 8.5' on center (To accommodate standard 8' wide road plates);
2. The steel plate lagging will need to be 3/4" thick road plates grade 36;
3. The heaviest HP available section (HP14x117) was slightly overstressed (Required section modulus was 180 ci/ft versus 172 ci/ft for HP14x117) and the deflection of the wall at the top was calculated at 5.2 inches; and
4. The required toe on the soldier piles was calculated at 27.3' for a total pile length required of 36 feet (Using a 1.5 factor of safety).

Based on the excessive deflection, long pile lengths, and considering that the heaviest sections your company has in stock are HP14x89's, the alternative of soldier piles and lagging was discarded. In addition, we believe that there will be a lot more water seepage through the joints in the lagging than with steel sheetpiling.

I hope this letter addresses your concerns.

Very truly yours,
COUREL ENGINEERING, LLC



Miguel Courel, P.E.
Principal

Temporary Sheeting-Lump Sum

MOUNT CONSTRUCTION, INC

427, SOUTH WHITE HORSE PIKE

BERLIN , NJ 08009

Contact: Greg Cardamone

Phone: 856-768-8493

Fax: 856-753-1453

Date: 1/30/17
Quote To: R&V
Attn: Joseph Ragusa, P.E.
Address: 232 Kings Highway East
City, ST, ZIP: Haddonfield, NJ 08033
Phone: (856)795-9595
Fax:

Job Name: Blackwater Creek Culvert
Location: Vineland, NJ
Engineer: Pennoni
Plans:
Date of Plans:
Revision Date:

Revision 03

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization	1.00	LS	5,000.00	5,000.00
2	Temporary Sheeting (Upstream)	1,005.00	SF	55.00	55,275.00
3	Temporary Sheeting (Downstream)	1,065.00	SF	55.00	58,575.00
GRAND TOTAL					\$118,850.00

NOTES:

Exclude:

- 1) Driving through rock or obstructions.
- 2) Permit restrictions-R&V to verify our engineered drawing complies with DEP Permit.
- 3) Does not include relocation of underground utilities.
- 4) Well points, if groundwater requires pumps other than one (1) 3" sump.
- 5) Sheeting is temporary, Mount will remove and own the sheets.

Include:

- 1)Buy America Steel.
- 2)Dewatering in cofferdam. (Please see note #4 under exclusions)

Notes:

- 1) Payment will be lump sum for work performed, not to exceed proposal quantities, as shown on approved plans.
- 2) If stock sheets are not available, must wait for next rolling date.
- 3) Work is allowed between sheets from March 1 to July 30,2017.
- 4) Change order for lump sum cost and time extension required.
- 5) Incidental cost, as result of change, will be paid.
- 6) Extension of time.

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
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BID ITEM = 1 CLIENT# = 1
Description = Mobilization Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

1D Engineering Quan: 1.00 LS Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500

4 SUBCONTRACTORS@10 1.00 LS

BID ITEM = 2 CLIENT# = 2
Description = Temporary Sheeting (Upstream) Unit = SF Takeoff Quan: 1,005.000 Engr Quan: 1,005.000

3B PZ 18 SHEETS Quan: 1,005.00 SF Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500

Delivered
2F70 "Z" STEEL SHEETPIL@25 48,000.00 LB

3C Install Sheets Quan: 1,005.00 SF Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500

SHEET	DESCRIPTION	QTY	UNIT	PROD	HRS	LAB PCS	EQA PCS	UNREVIEWED
	SHEETING CREW	24.00	CH	3.0000	S	6.00	5.00	**Unreviewed
8 HAMMER	=> Vib. Hammer	1.00	WK					
8CRANE	=> Rental	1.00	WK					
8E336	CAT 336D EXCAVATOR	1.00	HR					
8LR8	WA480 KOMATSU LOAD	1.00	HR					
8TFB	FLAT BED TRUCK	1.00	HR					
8TPK	1/2 TON PICKUP	1.00	HR					
8WE	Welder	1.00	HR					
DBFM	DOCKBUILDER FOREM	1.00	MH					
DBJRMAN	DOCKBUILDER JOURNE	2.00	MH					
ULFM	LABOR FOREMAN	1.00	MH					
ULGL	LABORER POWER TOOL	1.00	MH					
UOEX	EXCAVATOR OPERATO	1.00	MH					
	0.1432 MH/SF	144.00	MH					

3D Remove Sheets Quan: 1,005.00 SF Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500

SHEET	DESCRIPTION	QTY	UNIT	PROD	HRS	LAB PCS	EQA PCS	UNREVIEWED
	SHEETING CREW	8.00	CH	1.0000	S	6.00	5.00	
8E336	CAT 336D EXCAVATOR	1.00	HR					
8LR8	WA480 KOMATSU LOAD	1.00	HR					
8TFB	FLAT BED TRUCK	1.00	HR					
8TPK	1/2 TON PICKUP	1.00	HR					
8WE	Welder	1.00	HR					
DBFM	DOCKBUILDER FOREM	1.00	MH					
DBJRMAN	DOCKBUILDER JOURNE	2.00	MH					
ULFM	LABOR FOREMAN	1.00	MH					
ULGL	LABORER POWER TOOL	1.00	MH					
UOEX	EXCAVATOR OPERATO	1.00	MH					
	0.0477 MH/SF	48.00	MH					

====> **Item Totals: 2 - Temporary Sheeting (Upstream)**
\$0.00 0.1910 MH/SF 192.00 MH []
0.000 1005 SF

Direct Cost Report

Activity Resource	Desc	Quantity Pcs	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
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BID ITEM = 3 CLIENT# = 3
Description = Temporary Sheeting (Downstream) Unit = SF Takeoff Quan: 1,065.000 Engr Quan: 1,065.000

5B PZ 18 SHEETS Quan: 1,065.00 SF Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500 ****Unreviewed**

Delivered
2F70 "Z" STEEL SHEETPIL@25 58,000.00 LB

5C Install Sheets Quan: 1,065.00 SF Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500 ****Unreviewed**

SHEET	DESCRIPTION	Quantity	Unit	Prod:	Hrs/Shft	Cal	WC	Lab Pcs	Eqp Pcs	Total
	SHEETING CREW	24.00	CH							5.00
8 HAMMER	==> Vib. Hammer	1.00	WK.							
8CRANE	==> Rental	1.00	WK							
8E336	CAT 336D EXCAVATOR	1.00	24.00 HR							
8LR8	WA480 KOMATSU LOAD	1.00	24.00 HR							
8TFB	FLAT BED TRUCK	1.00	24.00 HR							
8TPK	1/2 TON PICKUP	1.00	24.00 HR							
8WE	Welder	1.00	24.00 HR							
DBFM	DOCKBUILDER FOREM	1.00	24.00 MH							
DBJRMAN	DOCKBUILDER JOURNE	2.00	48.00 MH							
ULFM	LABOR FOREMAN	1.00	24.00 MH							
ULGL	LABORER POWER TOOL	1.00	24.00 MH							
UOEX	EXCAVATOR OPERATO	1.00	24.00 MH							
	0.1352 MH/SF		144.00 MH							

5D Remove Sheets Quan: 1,065.00 SF Hrs/Shft: 8.00 Cal: 5-8 WC: NJ5500 ****Unreviewed**

SHEET	DESCRIPTION	Quantity	Unit	Prod:	Hrs/Shft	Cal	WC	Lab Pcs	Eqp Pcs	Total
	SHEETING CREW	8.00	CH							5.00
8E336	CAT 336D EXCAVATOR	1.00	8.00 HR							
8LR8	WA480 KOMATSU LOAD	1.00	8.00 HR							
8TFB	FLAT BED TRUCK	1.00	8.00 HR							
8TPK	1/2 TON PICKUP	1.00	8.00 HR							
8WE	Welder	1.00	8.00 HR							
DBFM	DOCKBUILDER FOREM	1.00	8.00 MH							
DBJRMAN	DOCKBUILDER JOURNE	2.00	16.00 MH							
ULFM	LABOR FOREMAN	1.00	8.00 MH							
ULGL	LABORER POWER TOOL	1.00	8.00 MH							
UOEX	EXCAVATOR OPERATO	1.00	8.00 MH							
	0.0450 MH/SF		48.00 MH							

====> **Item Totals: 3 - Temporary Sheeting (Downstream)**
\$0.00 0.1802 MH/SF 192.00 MH
0.000 1065 SF

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.
This report shows TAKEOFF Quantities with the resources.

"Unreviewed" Activities are marked.

Bid Date: Owner: Engineering Firm:
Estimator-In-Charge:

JOB NOTES

Estimate created on: 12/07/2015 by User#: 30 - Danielle Usher
Source estimate used: H:\EST\MASTER

Activity	Desc	Quantity	Unit	Unit	Perm	Constr	Equip	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Exp	Ment	Contract

BID ITEM = 3 **CLIENT# = 3**
Description = Temporary Sheeting (Downstream) Unit = SF Takeoff Quan: 1,065.000 Engr Quan: 1,065.000
*****Estimate created on: 12/08/2016 by User#: 15 - Gregory Cardamone
Source estimate used: H:\EST\15320

* on units of MH indicate average labor unit cost was used rather than base rate.
[] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens
In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%
-----Calendar Codes-----
10S 5 - 10 hour days + Saturday
5-8 5 - 8 Hour Days (Default Calendar)
5-9 5 - 9 Hour Days
510 5 - 10 hour Days
58S 5 - 8 hour days + Saturday
59S 5 - 9 Hour Days + Saturday
8SA Saturday Only

CONSTRUCTION FIELD ORDER

DATE: 2/02 /2017

DAY

S	M	T	W	T	F	S
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PROJECT TITLE Blackwater Branch Culvert Replacement

PROJECT NO. 13-015

FEATURE TEMPORARY SHEETING

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temp.	To 32°	32°-50°	50°-70°	70°-85°	85° Up
Wind	Still	Moderate	High	Report No.	
Precip	Dry	Moderate	Humid		

CONTRACTOR Mount Construction TYPE OF WORK _____

PRC – RICK CAUDILL (City of Vineland)

RESIDENT ENGINEER JOE RAGUSA (R&V)

LOCATION OF PROPOSED FIELD ORDER
Blackwater branch culvert on North West Avenue between Wheat Road and Garden Road.
NATURE OF AND REASON FOR PROPOSED FIELD ORDER
Unforeseen field conditions involving substantial occurrences of springs in the work areas downstream of the installed cofferdams have created an unsafe environment for workers. Additional excavation in these areas is required to pour the headwall footings; this will further impact the unsafe conditions. It was agreed between City of Vineland, Mount Construction, and Remington & Vernick that temporary sheeting is the only viable option to: keep workers safe, restrict flow to the work areas, and move the project forward.
AFFECTED PAY ITEMS AND QUANTITY CHANGES
An additional line item will be created as 'Temporary Sheeting' and will be paid under the agreed upon lump sum of \$118,850.00 as per the 1/30/2017 cost proposal submitted by Mount Construction under the additional conditions outlined below. In addition, a 22 week extension from the February 14, 2017 completion date will be issued to complete the work. The new completion date will be July 18, 2017.
ADDITIONAL NOTES
1. The temporary sheeting shall be installed and in place before March 1, 2017 as per the NJDEP permit.
2. The road shall be reopened to the public within the March 1 st – June 30 th NJDEP restriction dates. March 1 st and June 30 th are not considered exact open and close dates for the road. Work that is not restricted by NJDEP may continue past March 1 st in order to open and close the road.
3. The City of Vineland will incur no additional costs to re-mobilize, sign, and close off the site upon returning past the June 30 th restriction date to remove the temporary sheeting.
4. #2 under the "Exclude" section of the 1/30/2017 proposal has been verified by R&V to comply with the DEP permit.
5. #4 under the "Exclude" section of the 1/30/2017 proposal shall be revised as per the attached lump sum proposal markup.
6. #4 under the "Notes" section of the 1/30/2017 proposal shall be revised as per the attached lump sum proposal markup.
7. #5 under the "Notes" section of the 1/30/2017 proposal shall be removed as per the lump sum proposal markup.
8. Payment will be made for required additional base for removal of bypass pipe.
9. Contractor shall provide a corrected schedule, at no cost to the City of Vineland, outlining work in the water to cease before March 1 st and Continue after June 30 th .

- DISTRIBUTION
1. Contractor – Mount Construction
 2. Resident Engineer – Joe Ragusa (Remington & Vernick)
 3. Office File

Contractor Signature _____
 Resident Engineer Signature _____
 City Engineer Signature _____

Temporary Sheeting-Lump Sum

MOUNT CONSTRUCTION, INC

427, SOUTH WHITE HORSE PIKE
 BERLIN, NJ 08009
 Contact: Greg Cardamone
 Phone: 856-768-8493
 Fax: 856-753-1453

Date: 1/30/17
Quote To: R&V
Attn: Joseph Ragusa, P.E.
Address: 232 Kings Highway East
City, ST, ZIP: Haddonfield, NJ 08033
Phone: (856)795-9595
Fax:

Job Name: Blackwater Creek Culvert
Location: Vineland, NJ
Engineer: Pennoni
Plans:
Date of Plans:
Revision Date:

Revision 03

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization	1.00	LS	5,000.00	5,000.00
2	Temporary Sheeting (Upstream)	1,005.00	SF	55.00	55,275.00
3	Temporary Sheeting (Downstream)	1,065.00	SF	55.00	58,575.00
GRAND TOTAL					\$118,850.00

NOTES:

Exclude:

- 1) Driving through rock or obstructions.
- 2) Permit restrictions-R&V to verify our engineered drawing complies with DEP Permit.
- 3) Does not include relocation of underground utilities.
- 4) Well points, ~~if groundwater requires pumps other than one (1) 3" sump.~~
- 5) Sheeting is temporary, Mount will remove and own the sheets.

Include:

- 1) Buy America Steel.
- 2) Dewatering in cofferdam. (Please see note #4 under exclusions)

Notes:

- 1) Payment will be lump sum for work performed, not to exceed proposal quantities, as shown on approved plans.
- 2) If stock sheets are not available, must wait for next rolling date.
- 3) Work is allowed between sheets from March 1 to July 30, 2017.
- 4) Change order for lump sum cost ~~and time extension required.~~
- 5) ~~Incidental cost, as result of change, will be paid.~~
- 6) Extension of time.