

RESOLUTION NO. 2016-_____

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 1, TO CONTRACT NO. C15-0088, ISSUED TO FRED M. SCHIAVONE CONST. INC., MALAGA, NJ IN THE AMOUNT OF \$29,811.44.

WHEREAS, the City Council of the City of Vineland, on August 25, 2015, adopted Resolution No. 2015-352, entitled "A RESOLUTION AWARDED A CONTRACT TO FRED M. SCHIAVONE CONST. INC., MALAGA, NJ FOR THE COMPLETION OF BURNT MILL POND DAM REHABILITATION, IN THE AMOUNT OF \$770,164.85"; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the City Engineer has requested that an amendment be made to contract awarded to Fred M. Schiavone Const. Inc., Malaga, NJ for the Completion of Burnt Mill Pond Dam Rehabilitation as authorized by Resolution No. 2015-352: said amendment is made necessary to include two supplemental work items:

S1, "Spillway Repairs", includes repairs to the contract spillway which was outside the scope of work with the contractor. After the dewatering had moved along, and the contractor began work in the area of the spillway, it was found that much of the concrete was spalling and that the work could not continue without these necessary repairs;

S2, "Stone Fill", includes the placement of 3/8" stone in the void spaces of the articulated concrete block matting which makes up the erosion protection for the dam. Initially, the design was for the voids to remain open. Upon consultation with NJDEP, the permitting authority, it was recommended that the voids be filled with porous material. The poorly graded 3/8" stone is the best option; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.1, et seq., and to that end herewith files with the governing body a report stating the facts involved and indicating that the proposed change order may be allowed under these regulations; and

WHEREAS, the City Comptroller has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of \$29,811.44; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental Change Order No. 1 to Contract No. C15-0088, issued to Fred M. Schiavone Const. Inc., Malaga, NJ, in the amount of \$29,811.44, be and the same is hereby ratified and approved.

Adopted:

President of Council

ATTEST:

City Clerk



February 16, 2016

REPORT

TO: THE MAYOR AND COUNCIL

Amendatory Supplemental Change Order No.
Contract No. C15-0088
Completion of Burnt Mill Pond Dam Rehabilitation
Fred M. Schiavone Const. Inc., Malaga, NJ

We are requesting that an amendatory supplemental change order be issued to Contract No. C15-0088, issued to Fred M. Schiavone Const. Inc., Malaga, NJ for the Completion of Burnt Mill Pond Dam Rehabilitation. This contract was authorized by Resolution No. 2015-352, adopted by City Council on August 25, 2015

The change order requested, in the amount of \$29,811.44, will include two supplemental work items:

S1, "Spillway Repairs", includes repairs to the contract spillway which was outside the scope of work with the contractor. After the dewatering had moved along, and the contractor began work in the area of the spillway, it was found that much of the concrete was spalling and that the work could not continue without these necessary repairs;

S2, "Stone Fill", includes the placement of 3/8" stone in the void spaces of the articulated concrete block matting which makes up the erosion protection for the dam. Initially, the design was for the voids to remain open. Upon consultation with NJDEP, the permitting authority, it was recommended that the voids be filled with porous material. The poorly graded 3/8" stone is the best option

This change order represents an increase of approximately 3.8708% over the original contract amount of \$770,164.85.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,

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

Robert E. Dickenson, Jr.
Assistant Business Administrator

RD/wr
Encl.

February 5, 2016

MEMORANDUM TO: Bob Dickenson, Assistant Business Administrator

RE: Burnt Mill Pond Dam Rehabilitation
Construction Change Order
City Eng. File No. 15-004



Enclosed, please find a request for Change Order (CO) for the above referenced project. The request is for a dollar increase in the amount of \$29,811.44 (+3.87%).

The change order includes two supplemental work items, S1 and S2.

S1, "Spillway Repairs", includes repairs to the concrete spillway which was outside the scope of work with the contractor. After the dewatering had moved along, and the contractor began work in the area of the spillway, it was found that much of the concrete was spalling and that the work could not continue without these necessary repairs.

S2, "Stone Fill", includes the placement of 3/8" stone in the void spaces of the articulated concrete block matting which makes up the erosion protection for the dam. Initially, the design was for the voids to remain open. Upon consultation with NJDEP, the permitting authority, it was recommended that the voids be filled with porous material. The poorly graded 3/8" stone is the best option.

Should you have any questions and/or comments, please feel free to contact me at extension 4098.

Sincerely,

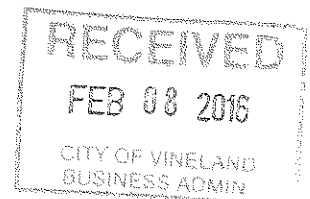


David J. Maillet, PE
Principal Engineer

Enc.
Cc: Purchasing Division (w/Encl)
Brian Myers, City Engineer



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:

Burnt Mill Pond Dam Rehabilitation

PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: PW, City Engineer

FROM: David Maillet

This is a request for change order # 1 to Contract # _____ for:

Project Name Burnt Mill Pond Dam Rehabilitation

Name/Address of Contractor: Fred M. Schiavone

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: \$ 770,161.85

Amount of this change order: \$ 29,811.84

Previous Change Orders: \$ _____

Total Revised Amount: \$ 799,976.29

APPROVED BY: BRIAN MYERS
Print/type

[Signature]
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 # 021-0-00-00-0000-2-5518201

CC: Purchasing Division

Maillet David J.

From: Tammy Klose <tammy@fmschiavoneconstruction.com>
Sent: Monday, January 18, 2016 2:01 PM
To: 'Michael Brown'
Cc: Maillet David J.
Subject: RE: Burnt Mill Pond Dam - Stone in ACB's

Good Afternoon-

After recalulating the labor rates the best we can do as a lump sum is \$16,711.44 or by using your calculations of 66 tons the install rate would be \$238.00 per ton.

Thank you
Tammy
Fred M. Schiavone Const.

From: Michael Brown [<mailto:mbrown@ces-1.com>]
Sent: Monday, January 18, 2016 12:12 PM
To: 'Fred Schiavone'
Cc: 'Tammy Klose'; 'Maillet David J.'; 'Dave Dunmyer'
Subject: RE: Burnt Mill Pond Dam - Stone in ACB's

Fred – Thank you for the response. Please determine a unit cost and we can discuss at our site meeting tomorrow at 11 AM.

Mike

From: Fred Schiavone [<mailto:fredjr@fmschiavoneconstruction.com>]
Sent: Friday, January 15, 2016 5:35 PM
To: Michael Brown
Cc: 'Tammy Klose'; 'Maillet David J.'; 'Dave Dunmyer'
Subject: Re: Burnt Mill Pond Dam - Stone in ACB's

We were asked to prepare a lump sum cost to infill the voids in the acb matts. The amount of labor and meterial estimated reflects what I feel is required to complete the work properly. I will review the labor rate on Monday and revise if necessary. If the city would like to do this work on a unit basis I would be glad to provide a unit cost. Please advise.

----- Original Message -----

From: [Michael Brown](#)
To: ['Fred Schiavone'](#)
Cc: ['Tammy Klose'](#); ['Maillet David J.'](#); ['Dave Dunmyer'](#)
Sent: Friday, January 15, 2016 4:44 PM
Subject: Burnt Mill Pond Dam - Stone in ACB's

Hello Fred – We spoke to Dave Maillet at the City this afternoon regarding the attached proposal for stone in the ACB's. Dave said he would discuss it with the City Engineer, but his initial thought was that the price seems high for the proposed work. So as of now, the extra work is not approved by the City.

As previously discussed, CES calculated about 65 tons of stone will be needed (using a 20% open area for the blocks from Contech), where you had 100 tons. Also, we are still not clear on you man hours. There are 3 days for an operator and 12 days for laborers. You said you assumed 2 laborers, so that would be 6 days with 2 laborers. We were

assuming that 1 or 2 laborers would work concurrently with the operator until the work was done, so we are not sure why there are so many additional days for laborers as compared to the operator.

In addition, as noted in our email to Tammy on 1/13/16 regarding the extra work for the spillway structure, we do not completely agree with how you are determining wages, overhead, and profit. If you were to use the NJDOT method, we believe the dollar amounts would be somewhat lower.

Can you re-look at this to see if you can get the price down under \$10,000? Maybe we can agree on a unit cost per ton and then pay for the tonnage installed. \$125/ton?

Of course this is ultimately subject to approval by the City, but we wanted to give you this information to think about while the City is reviewing it.

I tried to call your back on your cell after I spoke to Dave Maillet this afternoon and I left a voicemail.

Thank you, Mike

Michael R. Brown, P.E., C.M.E.
Consulting Engineer Services
645 Berlin-Cross Keys Road, Suite 1
Sicklerville, NJ 08081
(856)228-2200 (ext. 235)
(856)232-2346 fax

Maillet David J.

From: Michael Brown <mbrown@ces-1.com>
Sent: Friday, January 15, 2016 4:45 PM
To: 'Fred Schiavone'
Cc: 'Tammy Klose'; Maillet David J.; 'Dave Dunmyer'
Subject: Burnt Mill Pond Dam - Stone in ACB's
Attachments: COP Crushed Stone Fill at ACB Blocks.pdf

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(856)232-2346 fax



GENERAL CONTRACTOR
PO BOX 416
MALAGA, NJ 08328
PHONE (856) 697-4558 FAX (856) 697-9612

January 5, 2016

*CES Engineering
645 Berlin Cross Keys Road Suite 1
Sicklerville, NJ 08081*

Attn: Michael Brown

Re: Burnt Mill Pond Dam

Supply and install 3/8" crushed stone fill at ACB blocks

<i>3/8" stone fill</i>	<i>100tons @ \$24.00=</i>	<i>\$2,400.00</i>
<i>Install stone</i>		
<i>Operator & Machine</i>	<i>24mhs @ \$160.00=</i>	<i>\$3,840.00</i>
<i>Laborer</i>	<i>96mhs @ \$80.17=</i>	<i>\$7,696.32</i>
<i>Subtotal:</i>		<i>\$13,936.32</i>
<i>10%:</i>		<i>\$ 1,393.63</i>
<i>Subtotal:</i>		<i>\$15,329.95</i>
<i>15%:</i>		<i>\$ 2,299.49</i>
<i>Total:</i>		<i>\$17,629.44</i>

*Thank you,
Fred M. Schiavone, President
Fred M. Schiavone Construction, Inc.*

Maillet David J.

From: Michael Brown <mbrown@ces-1.com>
Sent: Wednesday, January 13, 2016 3:03 PM
To: Maillet David J.
Subject: FW: Burnt Mill Pond Dam

FYI – See below.

From: Tammy Klose [mailto:tammy@fmschiavoneconstruction.com]
Sent: Wednesday, January 13, 2016 2:34 PM
To: 'Michael Brown'
Subject: RE: Burnt Mill Pond Dam

Hello-

I spoke to Fred and he agrees to the \$13,100.00. Please prepare the change order accordingly.

Thank you
Tammy
Fred M. Schiavone Const.

From: Michael Brown [mailto:mbrown@ces-1.com]
Sent: Wednesday, January 13, 2016 2:03 PM
To: 'Tammy Klose'
Cc: 'Maillet David J.'
Subject: RE: Burnt Mill Pond Dam

Hi Tammy – Thank you for the breakdown for the extra work at the spillway. We have the following comments:

1. Some of your wages and benefits rates appear to be higher than the published NJ prevailing wage rates for Cumberland County.
2. Per NJDOT specifications, 15% overhead and 10% profit is applied to the total of the direct labor, benefits, and material costs. (It is not applied to indirect labor costs such as taxes and insurance.)
3. Per NJDOT specifications, overhead and profit is applied to direct labor, benefits, and material costs separately (overhead is not applied to the calculated profit amount). I have attached a NJDOT form which demonstrates this for reference.

However, we do not really need detailed “force account” calculations if the City and Schiavone agree on a price for this work. It looks like revising your proposal based on the above items might bring the total of \$13,714.50 down by roughly \$600 for #1, and an additional \$600 for #2 and #3. Can Schiavone agree to a lump sum of \$13,100.00? If yes, we will prepare a Change Order accordingly.

Let me know if you have any questions.

Thank you, Mike

From: Michael Brown [mailto:mbrown@ces-1.com]
Sent: Monday, January 11, 2016 10:14 AM

To: 'Tammy Klose'
Subject: RE: Burnt Mill Pond Dam

You said you were going to revise the carpenter hours to Foreman and Journeyman.

From: Tammy Klose [mailto:tammy@fmschiavoneconstruction.com]
Sent: Monday, January 11, 2016 8:03 AM
To: 'Michael Brown'
Subject: RE: Burnt Mill Pond Dam

Hello-

I don't have this on our AIA. What do you want me to revise?

From: Michael Brown [mailto:mbrown@ces-1.com]
Sent: Friday, January 08, 2016 6:06 PM
To: 'Tammy Klose'
Subject: RE: Burnt Mill Pond Dam

So are you still revising this for #3 below? We probably won't be able to talk to the City about this until Dave Maillet returns from vacation on 1/13.

Thanks, Mike

From: Tammy Klose [mailto:tammy@fmschiavoneconstruction.com]
Sent: Monday, January 04, 2016 11:45 AM
To: 'Michael Brown'
Subject: RE: Burnt Mill Pond Dam

Good Morning-

Attached is the revised change order proposal for extra at spillway. I spoke to Fred this morning and he wanted me to answer your questions

1. We are a union company and we use union benefit and wages. I did adjust the mason rate. (The masons have different benefits depending on the county they are working in)
 2. The workmans comp and taxes are what is paid by Schiavone Const not what is deducted from the paychecks. This is separate from the overhead cost.
 3. There was a foreman and a journeyman. I will adust that day and hours.
 4. The overhead and profit was only added to the bottom line cost
 5. The 2nd change order proposal we were asked to provide pricing for this but after review it is part of our contract.
- The work will be completed this week.

I hope this clarifies this change orer.

Thank you
Tammy
Fred M. Schiavone Construction, Inc.

From: Michael Brown [mailto:mbrown@ces-1.com]
Sent: Thursday, December 31, 2015 4:24 PM
To: 'Tammy Klose'
Cc: 'Maillet David J.'
Subject: RE: Burnt Mill Pond Dam

Hello Tammy – We received the two (2) Change Order requests that you sent on 12/9/15. CES and the City have reviewed them, and we have the following comments regarding the first one titled “COP Extras at Spillway”:

- You emailed a breakdown of the hourly rates on 12/22/15, but we still have the following questions/comments:
 - Why is your cost of benefits per hour substantially higher than prevailing wage rates? (Carpenter Benefits = \$35.14/hr versus \$29.53/hr prevailing wage, Mason Benefits = \$42.19/hr versus \$30.58/hr prevailing wage)
 - You added workman’s comp and taxes to wages and union benefits, and then overhead and profit is added on top of those. Aren’t these items deducted from gross pay and/or they should be included in company overhead costs? Workman’s comp number seems very high (based on cost per hour per person).
 - There were 2 to 3 carpenters working on these tasks, but you used the hourly rate for FOREMAN for all workers.
 - Per NJDOT Specs for Force Account work (Section 104.03.08), 10% profit and 15% overhead is added to the labor, benefits, and material costs. It appears that you also applied these percentages to workman’s comp and taxes, and you added 15% overhead on top of the 10% profit

For the second one titled “COP Apply Epoxy to Existing Spillway”, we believe this work is included in the original contract and it should not be considered extra work. There are notes on Sheet 8 of the plans that state that the new concrete within the spillway structure shall be coated with concrete sealant, and the existing concrete surfaces shall be cleaned and sealed. This was discussed with Iggy Bik and Fred Jr. by phone on 12/31/15, and I believe they were in agreement that a change order is not needed for this work.

Thank you, Mike

Michael R. Brown, P.E., C.M.E.
Consulting Engineer Services
645 Berlin-Cross Keys Road, Suite 1
Sicklerville, NJ 08081
(856)228-2200 (ext. 235)
(856)232-2346 fax

From: Tammy Klose [<mailto:tammy@fmschiavoneconstruction.com>]
Sent: Wednesday, December 09, 2015 10:00 AM
To: jwitthohn@ces-1.com
Cc: 'Michael Brown'
Subject: Burnt Mill Pond Dam

Good Morning-

Attached are the change order proposals for the extras at the spillway and to apply epoxy to existing spillway for your review. Have a great day.

Thank you
Tammy
Fred M. Schiavone Const.



GENERAL CONTRACTOR
PO BOX 416
MALAGA, NJ 08328
PHONE (856) 697-4558 FAX (856) 697-9612

December 9, 2015

*CES Engineering
645 Berlin Cross Keys Road Suite 1
Sicklerville, NJ 08081*

Attn: John Witthohn

Re: Burnt Mill Pond Dam

Remove deteriorated concrete and create plumb surface for Hydrogate installation

<i>Carpenter Foreman</i>	<i>8mh @ \$104.00=</i>	<i>\$832.00</i>
<i>Mason Foreman</i>	<i>8mh @ \$ 94.00=</i>	<i>\$752.00</i>
<i>Misc. Material</i>		
<i>Rebar</i>	<i>1ls @ \$50.00=</i>	<i>\$ 50.00</i>
<i>Epoxy Bond Coat</i>	<i>1ls @ \$25.00=</i>	<i>\$ 25.00</i>
<i>Sika Grout</i>	<i>12ea @ \$23.00=</i>	<i>\$276.00</i>
<i>Hilti epoxy</i>	<i>1ea@ \$30.50=</i>	<i>\$ 30.50</i>

Chip and patch deteriorated concrete at wing walls

<i>Mason Foreman</i>	<i>8mh@ \$94.00=</i>	<i>\$752.00</i>
<i>Misc. Material</i>		
<i>Sika Grout</i>	<i>2ea @ \$23.00=</i>	<i>\$ 46.00</i>



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Remove previously installed weir wall forms, remove buttress wall, install new +/-6" floor with turn down slab and buttress wall, and re-install weir wall forms

<i>Carpenter Foreman</i>	<i>40mh @ \$104.00=</i>	<i>\$4,160.00</i>
<i>Carpenter Journeyman</i>	<i>8mh @ \$91.00=</i>	<i>\$ 728.00</i>
<i>Mason</i>	<i>4mh @ \$94.00=</i>	<i>\$ 376.00</i>
<i>Misc. Materials</i>		
<i>Rebar</i>	<i>1ls @ \$250.00=</i>	<i>\$ 250.00</i>
<i>Hilti epoxy</i>	<i>5ea @ \$30.50=</i>	<i>\$ 152.50</i>
<i>Concrete</i>	<i>4.5cy @ \$115.00=</i>	<i>\$ 517.50</i>

Form and pour concrete infill at gabion basket tie-ins

<i>Carpenter Foreman</i>	<i>16mh @ \$104.00=</i>	<i>\$1,664.00</i>
<i>Misc. Material</i>		
<i>Concrete</i>	<i>2cy @ \$115.00=</i>	<i>\$ 230.00</i>

<i>Subtotal:</i>	<i>\$10,841.50</i>
<i>10%:</i>	<i>\$ 1,084.15</i>
<i>Subtotal:</i>	<i>\$11,925.65</i>
<i>15%:</i>	<i>\$ 1,788.85</i>
<i>Total:</i>	<i>\$13,714.50</i>

*Thank you,
Fred M. Schiavone, President
Fred M. Schiavone Construction, Inc.*

CONTRACT: BURNT MILL POND DAM REHABILITATION

CONTRACTOR: FRED M. SCHIAVONE CONSTRUCTION INC.
PO BOX 416
MALAGA, NJ 08328

ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	QUANTITY ADJUSTMENT	ADJUSTED QUANTITY	CONTRACT UNIT PRICE	ADJUSTED UNIT PRICE	CONTRACT AMOUNT	FINAL AMOUNT	AMOUNT OF CHANGE
1	TRAFFIC CONTROL	1	LS		1.00	\$ 8,190.00	\$ 8,190.00	8,190.00	8,190.00	0.00
2	CLEARING SITE	1	LS		1.00	\$ 55,984.50	\$ 55,984.50	55,984.50	55,984.50	0.00
3	STRIPPING	2,950	SY		2,950.00	\$ 3.18	\$ 3.18	9,381.00	9,381.00	0.00
4	EXCAVATION, UNCLASSIFIED (OFF-SITE SPOIL)	1,200	CY		1,200.00	\$ 19.89	\$ 19.89	23,868.00	23,868.00	0.00
5	EXCAVATION, UNCLASSIFIED (RE-USE ON-SITE)	500	CY		500.00	\$ 11.12	\$ 11.12	5,560.00	5,560.00	0.00
6	BACKFILL, UNCLASSIFIED	500	CY		500.00	\$ 8.19	\$ 8.19	4,095.00	4,095.00	0.00
7	IMPORTED STRUCTURAL FILL	700	CY		700.00	\$ 35.10	\$ 35.10	24,570.00	24,570.00	0.00
8	CONSTRUCTION ENTRANCE/TIRE CLEANER	115	SY		115.00	\$ 23.40	\$ 23.40	2,691.00	2,691.00	0.00
9	SILT FENCE	1,200	LF		1,200.00	\$ 4.68	\$ 4.68	5,616.00	5,616.00	0.00
10	SNOW FENCE (TREE PROTECTION)	730	LF		730.00	\$ 9.36	\$ 9.36	6,832.80	6,832.80	0.00
11	TEMPORARY COFFER DAM, 280 LF (PORTADAM)	1	LS		1.00	\$123,815.25	\$123,815.25	123,815.25	123,815.25	0.00
12	DEWATERING (INCL. PUMP, HOSE, BASIN, SEDIMENT FILTRATION, TURBIDITY BARRIER)	1	LS		1.00	\$ 58,500.00	\$ 58,500.00	58,500.00	58,500.00	0.00
13	24" CMP CULVERT (TEMPORARY STREAM BYPASS)	76	LF		76.00	\$ 126.59	\$ 126.59	9,620.84	9,620.84	0.00
14	TEMPORARY RIPRAP PAD & HAY-BALE SEDIMENT BARRIER (W. STONE BERM)	1	LS		1.00	\$ 2,925.00	\$ 2,925.00	2,925.00	2,925.00	0.00
15	CONCRETE WASHOUT SYSTEM	1	LS		1.00	\$ 936.00	\$ 936.00	936.00	936.00	0.00
16	ACB REVETMENT (INCL. GEOGRID, SPREADER BAR)	1,830	SY		1,830.00	\$ 143.91	\$ 143.91	263,355.30	263,355.30	0.00
17	1.5"-2" DIAMETER CLEAN STONE, 6" THK (INCL. GEOTEXTILE FABRIC)	1,830	SY		1,830.00	\$ 15.39	\$ 15.39	28,163.70	28,163.70	0.00
18	RIPRAP STONE CHANNEL PROTECTION, 12" THK (D50=6")	16	SY		16.00	\$ 58.50	\$ 58.50	936.00	936.00	0.00
19	COARSE AGG. NO. 57, 6" THICK (BELOW RIPRAP)	16	SY		16.00	\$ 52.65	\$ 52.65	842.40	842.40	0.00
20	GEOTEXTILE FABRIC, 8 OZ, NON-WOVEN (BELOW RIPRAP)	16	SY		16.00	\$ 4.68	\$ 4.68	74.88	74.88	0.00
21	GABION WALL, W/ PVC-COATED WIRE CAGE (INCL. COURSE AGG. AND GEOTEXTILE FABRIC)	112	CY		112.00	\$ 582.66	\$ 582.66	65,257.92	65,257.92	0.00

ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	QUANTITY ADJUSTMENT	ADJUSTED QUANTITY	CONTRACT UNIT PRICE	ADJUSTED UNIT PRICE	CONTRACT AMOUNT	FINAL AMOUNT	AMOUNT OF CHANGE
22	GABION MATTRESS CHANNEL PROTECTION, 9" THICK, (INCL. COARSE AGG. AND GEOTEXTILE FABRIC)	168	SY		168.00	\$ 184.86	\$ 184.86	31,056.48	31,056.48	0.00
23	CONCRETE CURB/CUTOFF WALL (AT BROAD-CREST SPILLWAY)	68	LF		68.00	\$ 42.71	\$ 42.71	2,904.28	2,904.28	0.00
24	4' HIGH SPLIT RAIL FENCE W/ WELDED-WIRE FABRIC	70	LF		70.00	\$ 25.74	\$ 25.74	1,801.80	1,801.80	0.00
25	REINFORCED CONC. WEIR WALL (SPILLWAY)	1	CY		1.00	\$ 4,959.63	\$ 4,959.63	4,959.63	4,959.63	0.00
26	REINFORCEMENT STEEL, EPOXY-COATED	200	LB		200.00	\$ 4.68	\$ 4.68	936.00	936.00	0.00
27	ALUMINUM STOP-LOG GATE SYSTEM	1	LS		1.00	\$ 14,040.00	\$ 14,040.00	14,040.00	14,040.00	0.00
28	6" DIA. STEEL BOLLARDS, CONCRETE FILLED	4	UNIT		4.00	\$ 526.50	\$ 526.50	2,106.00	2,106.00	0.00
29	6" DIA. REMOVABLE BOLLARDS	2	UNIT		2.00	\$ 1,170.00	\$ 1,170.00	2,340.00	2,340.00	0.00
30	TOPSOILING, 4" THICK	900	SY		900.00	\$ 5.27	\$ 5.27	4,743.00	4,743.00	0.00
31	FERTILIZING AND SEEDING, HYDROSEED PERMANENT MIX WITH MULCH	1,070	SY		1,070.00	\$ 1.58	\$ 1.58	1,690.60	1,690.60	0.00
32	STRAW MULCHING	826	SY		826.00	\$ 0.82	\$ 0.82	677.32	677.32	0.00
33	TOPSOIL STABILIZATION, VMAX3 SC250 - PERMANENT TURF REINFORCEMENT MATTING	205	SY		205.00	\$ 8.19	\$ 8.19	1,678.95	1,678.95	0.00
34	TOPSOIL STABILIZATION - LONG-TERM DOUBLE-NET BIO-DEGRADABLE EROSION CONTROL BLANKET	10	SY		10.00	\$ 1.52	\$ 1.52	15.20	15.20	0.00
S1	SPILLWAY REPAIRS	0	LS	1.00	1.00	\$ -	\$ 13,100.00	0.00	13,100.00	13,100.00
S2	STONE FILL	0	LS	1.00	1.00	\$ -	\$ 16,711.44	0.00	16,711.44	16,711.44
	TOTAL PERCENT FOR THIS CHANGE ORDER:	3.87%								
	PERCENT TOTAL CHANGE ORDER TO DATE OF ORIGINAL CONTRACT	0.03870787								
	AMOUNT OF ORIGINAL CONTRACT:					\$ 770,164.85				
	PLUS CHANGE ORDER NO. 1:					29,811.44				
	AMOUNT OF ADJUSTED CONTRACT:					\$ 799,976.29				

Recommended By: _____

Contractor

City Engineer