

RESOLUTION NO. 2014- 192

A RESOLUTION TO AMEND AND SUPPLEMENT RESOLUTION NO. 2012-110, AUTHORIZING ENGINEERING SERVICES FOR DAM REHABILITATION AND PERMITTING RELATIVE TO BURNT MILL POND DAM.

WHEREAS, the City Council of the City of Vineland, on March 27, 2012, adopted Resolution No. 2012-110, entitled "A RESOLUTION AUTHORIZING AN AGREEMENT WITH CONSULTING ENGINEER SERVICES, SEWELL, NJ FOR PROFESSIONAL ENGINEERING SERVICES FOR DAM REHABILITATION AND PERMITTING RELATIVE TO BURNT MILL POND DAM"; and

WHEREAS, there exists a need to amend and supplement the Professional Services contract awarded to Consulting Engineer Services, Sewell, NJ, for Dam Rehabilitation and Permitting Relative to Burnt Mill Pond Dam, as authorized by Resolution No. 2012-110; by change order to Contract No. 12-0009, to provide for additional engineering services related to revisions to the Burnt Mill Pond Dam design, required by the New Jersey Department of Environmental Protection, Department of Dam Safety; and

WHEREAS, the City Comptroller has certified that funds for the amendment requested herein are available; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland as follows:

1. THAT Resolution No. 2012-110, entitled "A RESOLUTION AUTHORIZING AN AGREEMENT WITH CONSULTING ENGINEER SERVICES, SEWELL, NJ FOR PROFESSIONAL ENGINEERING SERVICES FOR DAM REHABILITATION AND PERMITTING RELATIVE TO BURNT MILL POND DAM"; be and the same is hereby amended and supplemented to increase maximum amount of the contract by \$6,900.00.

2. THAT the Purchasing Agent be and the same is hereby authorized to issue an amendatory supplemental change order to Contract No. C12-0009, in the amount of \$6,900.00.

Adopted:

President of Council

ATTEST:

City Clerk



May 6, 2014

REPORT

TO: THE MAYOR AND COUNCIL

RE: Amendatory Supplemental Change Order No. 2
Contract No. C12-0009
Dam Rehabilitation & Permitting Relative to Burnt Mill Pond Dam
Consulting Engineer Services, Sewell, NJ

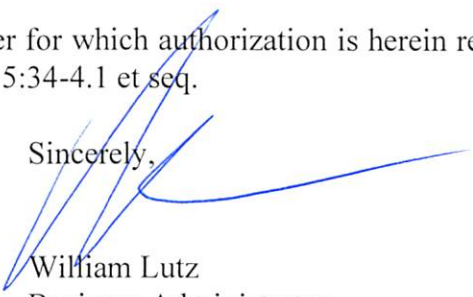
Dear Mayor and Member of Council:

The City Engineer's Office has requested an amendatory supplemental change order to Contract No. C12-0009, issued to Consulting Engineer Services, Sewell, NJ for Dam Rehabilitation and Permitting Relative to Burnt Mill Pond Dam. This contract was authorized by Resolution No. 2012-110, adopted by City Council on March 27, 2012.

The change order requested in the amount of \$6,900.00 will provide for additional engineering services related to revisions to the Burnt Mill Pond Dam design, required by the New Jersey Department of Environmental Protection, Department of Dam Safety. This change order, plus change order #1(\$1,000) will increase the original contract amount from \$79,950.00 to \$87,850.00.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:34-4.1 et seq.

Sincerely,



William Lutz
Business Administrator

WL/wr

ChangeOrder-Prof-Serv2-BurntMillDam



REQUEST FOR CHANGE ORDER

FOR:

Engineering Services for Dam Rehabilitation and Permitting
Relative to Burnt Mill Pond Dam
PROJECT NAME

TO: WILLIAM E. LUTZ
(BUSINESS ADMINISTRATION)

DEPARTMENT: P.W. Engineering FROM: David Maillet

This is a request for change order # 21 to Contract # C12-009 for:

Project Name Engineering Services for Dam Rehabilitation and
Permitting Relative to Burnt Mill Pond Dam
Name/Address of

Contractor: Consulting Engineer Services, 645 Berlin-Cross Keys
Road, Suite 1, Sicklerville, NJ 08081

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.)

Revisions to design required by NJDEP
department of Dam Safety

Amount of this change order: \$ +6,900.00

Original Contract Amount: \$ 79,950.00

Total Revised Amount: \$ 86,850.00

Provide the original contract amount, the amount of the change order and the revised contract amount.

APPROVED BY: Brian N. 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 # 021-0-00-00-0000-2-2560014

CC: Purchasing Division



consulting engineer services
Engineers, Planners, and Land Surveyors

Henry J. Haley, PE, PP, CME
President

Norman K. Rodgers, III, PE, PLS, CME
Vice President

Margaret Kulik, PLS
Vice President

April 2, 2014

Mr. David Maillet, Principal Engineer
Division of Engineering and Planning
City of Vineland
640 E. Wood Street
Vineland, NJ 08360

Steven M. Shriver
VP Business Development
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Michael R. Brown, PE, CME
Peter G. Burgess, PE, PLS, CME
Michael C. Dupras, MS
Alan J. Ippolito, PE, CME
William A. Ralston, PE, CME
John F. Witthohn, PE, CME
Paul A. Witthohn, PE

**RE: Change Order
New Low-Level Outlet
Burnt Mill Pond Dam #35-21
City of Vineland, Cumberland County, NJ**

Dear Dave:

This Change Order is for additional engineering services related to design and permitting of a new low-level outlet at the Burnt Mill Pond Dam. This change order describes the work scope for the new low-level outlet, which is to be included as part of the proposed Burnt Mill Pond Dam Rehabilitation through a revision of the previously submitted dam safety permit plans and specifications.

Scope of Work

As a result of recent discussions with NJDEP's Bureau of Dam Safety and Flood Control and the City of Vineland, regarding the rehabilitation of Burnt Mill Pond Dam, it is our understanding that the previously proposed use of portable dewatering pumps as a means to lower the reservoir during an emergency is no longer the preferred option for the City of Vineland. The City seeks the addition of a new low-level outlet gate and culvert pipe as part of the proposed rehabilitation design. Therefore, CES proposes to design and detail a new low-level outlet gate and culvert to be included in the revised plans and specifications for the Rehabilitation of Burnt Mill Pond Dam.

Based on our discussions with the City, the proposed gate shall be located near the temporary by-pass piping shown on the construction plans, and designed with a locking mechanism to restrict unauthorized use. The proposed culvert will discharge to a stable location on the downstream side of the rehabilitated dam embankment. In accordance with N.J.A.C. 7:20-1.9(i), the proposed outlet culvert will be designed and sized to achieve maximum drawdown of the reservoir level in 10 days while not exceeding a rate of one foot of elevation per day.

CES believes the following summary of tasks is needed:

- Hydraulic calculations and pond-routing simulation to determine maximum permissible flow-rate meeting requirements of N.J.A.C. 7:20-1.9(i).

645 Berlin-Cross Keys Road, Suite 1, Sicklerville, NJ 08081
856-228-2200 Fax 856-232-2346 design@ces-1.com www.ces-1.com
NJ Certificate of Authorization #24GA27957700

- Outlet Gate & Culvert design to meet required capacity and stable discharge.
- Selection of operating mechanism and lock suitable to Vineland City requirements.
- Filter Diaphragm & Sand/Gravel Filter Drain design as required by NJDEP Dam Safety.
- Construction plan, profile, and details of new outlet works (to be included in revised Dam Rehabilitation Plans & Specifications.)
- Engineer's Report for Low-Level Outlet summarizing analysis and calculations.
- Revise Operation and Maintenance (O&M) Manual, and Emergency Action Plan (EAP) with new low-level outlet information.
- Coordination with the City of Vineland and NJDEP

CES will perform the required analysis and design, and provide the pertinent construction information in a revised set of construction plans and specifications as part of the Dam Safety Permit Application for rehabilitation currently under review with NJDEP Dam Safety. CES will also provide NJDEP an Engineer's Report, and updated O&M Plan and EAP in support of the new outlet.

The total not to exceed cost to perform the above tasks is \$6,900.00

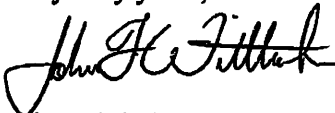
Terms and Conditions

The terms of the original contract remain as is. If the City finds it necessary to abandon or terminate the project, CES shall be compensated for all work effort completed to date of receipt of written notice of said action at the prevailing rates for manpower expanded to the notice to terminate.

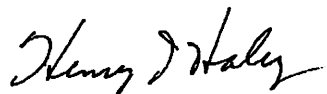
The standard of care for all professional services performed or furnished by Consulting Engineer Services under this Agreement will be the skill and care used by members of Consulting Engineer Services profession practicing under similar circumstances at the same time and in the same locality. Consulting Engineer Services make no warranties, express or implied, under this Agreement or otherwise, in connection with Consultant's services.

Please review the above and if all meets with your approval, please execute a copy and return to our office.

Very truly yours,



John Witthohn, PE,



Henry J. Haley, PE
President

APPROVED:

Signature

Date

Print Name