

RESOLUTION NO. 2016\_\_\_\_\_

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 5 TO CONTRACT NO. C15-0084, ISSUED TO SHELBY MECHANICAL, INC., CINNAMINSON, NJ, IN AN AMOUNT NOT TO EXCEED \$56,963.48.

WHEREAS, the City Council of the City of Vineland, on August 11, 2015, adopted Resolution No. 2015-338, entitled "A RESOLUTION AWARDED A CONTRACT TO SHELBY MECHANICAL INC., CINNAMINSON, NJ FOR THE COMPLETION OF REMOVAL, FABRICATION, INSTALLATION AND REPAIRS OF PIPING AT CLAYVILLE UNIT #1 FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY-GENERATION DIVISION"; 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 management personnel of the Electric Utility has requested that an amendment be made to contract awarded to Shelby Mechanical, Inc. for Clayville Unit 1 removal fabrication, installation and repairs, as authorized by Resolution No. 2015-338: said amendment is made necessary to incorporate the following modifications to this contract:

1. Weld NOx probe in Clayville Unit #1 SCR for Siemens;
2. Repair ammonia nozzles at Down Unit #11 Generating Station. Performance of this work under this contract is necessary to prevent further delay in returning Unit #11 to service, and is in the best interest of the City;
3. Install 1" valves at Clayville Unit #1; 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 not more than \$56,963.48; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order #5, to Contract No. C15-0084, issued to Shelby Mechanical Inc. Cinnaminson, NJ, in the amount of not more than \$56,963.48 be and the same is hereby ratified and approved.

Adopted:

\_\_\_\_\_  
President of Council

ATTEST:

\_\_\_\_\_  
City Clerk



May 17, 2016

REPORT

TO: THE MAYOR AND COUNCIL

Amendatory Supplemental Change Order No. 5 - Contract No. C15-0084  
Clayville Unit 1 Piping removal, fabrication, installation and repairs

We are requesting that an amendatory supplemental change order be issued to Contract No. C15-0084 issued to Shelby Mechanical, Cinnaminson, NJ, for the piping removal, fabrication, installation and repairs at Clayville Unit 1 for the Vineland Municipal Electric Utility – Generation Division. This contract was authorized by Resolution No. 2015-338, adopted by City Council on August 11, 2015.

The original contract was awarded in the bid amount of \$219,827.06 plus a contingency in the amount of \$67,000.00 for a total authorized amount \$286,827.06.

The proposed Change Order #5 for a total amount of \$56,963.48 is necessary to incorporate the following modifications to this contract:

1. Weld NOx probe in Clayville Unit #1 SCR for Siemens;
2. Repair ammonia nozzles at Down Unit #11 Generating Station. Performance of this work under this contract is necessary to prevent further delay in returning Unit #11 to service, and is in the best interest of the City;
3. Install 1” valves at Clayville Unit #1

ORIGINAL	\$219,827.06 plus contingency \$67,000.00
Change Order #1	\$100,000.00
Change Order #2	\$ 64,441.00
Change Order #3	\$ 21,802.00
Change Order #4	\$50,806.71
Change Order #5	\$56,963.48

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.

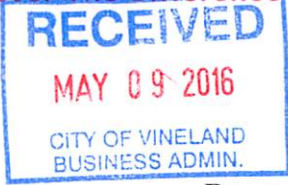
Respectfully submitted,

Robert Dickenson  
Assistant Business Administrator

RD/wr  
Encl.



Discover The Difference



Peter J. Kudless
Project Manager
Clayville Unit #1
pkudless@vinelandcity.org
www.vinelandcity.org

211 N. West Ave
Vineland, NJ 08362-1508
Phone: (856) 794-4000
Extension: 4380
Fax: (856) 405-4625

REQUEST FOR CHANGE ORDER
FOR:

Removal, Fabrication, Installation and Repairs of Piping at Clayville Unit #1
PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: VMEU Generation Engineering

FROM: Pete Kudless, Project Manager
John Miller, Assist. Supt. Generation

Handwritten notes: PJK 5/6/16, Jm 5/11/16

This is a request for change order # 5 to Contract # C15-0084 for:

Project Name: Removal, Fabrication, Installation and Repairs of Piping at Clayville Unit #1

Name/Address of Contractor: Shelby Mechanical, Inc.
1009 Broad Street
Cinnaminson, NJ 08077

This change order is necessary to incorporate the following modifications to this contract (Authorizing Resolution 2015-338 attached):

- 1) Weld NOx probe in Clayville Unit #1 SCR for Siemens, in accordance with Shelby Change Order Request #32 dated February 5, 2016 (copy attached). Incorporation of this modification results in a contract price increase of \$888.00.
2) Repair ammonia nozzles at Down Unit #11 Generating Station, in accordance with Shelby Change Order Request #33 dated May 5, 2016 (copy attached). Performance of this work under this contract is necessary to prevent further delay in returning Unit #11 to service, and is in the best interest of the City of Vineland. Incorporation of this modification results in a contract price increase of \$45,211.48.
3) Install 1" valves at Clayville Unit #1, in accordance with Shelby Change Order Request #34-1 dated May 6, 2016 (copy attached). Incorporation of this modification results in a contract price increase of \$10,864.00.



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

Handwritten signature



Peter J. Kudless  
Project Manager  
Clayville Unit #1  
pkudless@vinelandcity.org  
www.vinelandcity.org

211 N. West Ave  
Vineland, NJ 08362-1508  
Phone: (856) 794-4000  
Extension: 4380  
Fax: (856) 405-4625

<b>Original Contract Amount:</b>	\$ <u>219,827.06</u>
<b>Amount of This Change Order:</b>	\$ <u>56,963.48</u>
<b>Previous Change Orders:</b>	\$ <u>237,049.71</u>
<b>Total Revised Amount:</b>	\$ <u>513,840.25</u>

APPROVED BY: Joseph Isabella  
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:

Charge \$11,752.00 to Account # 022-0-00-00-0000-2-7511600 E340Y

Charge \$45,211.48 to Account # 002-0-55-90-9001-2-9022000, E307X

CC: Purchasing Division  
Pete Kudless  
John Miller

Gus Foster   
Tom Dunmore

John Boyle  
Jeff Davis



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



VMEU Clayville Unit 1  
4087 South Lincoln Ave  
Vineland, NJ 08361

<u>Item</u>	<u>Description</u>	<u>Current Request</u>	<u>Previously Approved</u>	<u>Status</u>	<u>Budget Code (WBS) (Funded From)</u>	<u>RFC</u>	<u>Funding Source</u>	<u>Item Not Authorized</u>
	Weld Probe for Seimans	888.00						

COR TOTAL: 888.00      TOTAL REQUEST: 888.00      REQUESTED DAYS:

Shelby Mechanical Inc.

Owner

Architect/Engineer

Issued By: Wayne Hoffmann  
 Date: 2/5/2018

Authorized By: Peter Wiseman  
 Date: 3/3/16

Recommended By: 2/1/16  
 Date: \_\_\_\_\_

NOTE: Items not funded within the current budget / contract may (and in most cases will) result in an increase to the Project Construction Cost, GMP or Prime Contract. Appropriate Prime Contract Change Order(s) will result. In the case of Estimated and Quoted amounts if the Final amount does not exceed the amount shown, authorization is given to issue appropriate change order(s).

*Subject to approval of a Contract Change Order*  
 By Vineland City Council

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

February 5, 2016

City of Vineland  
Attn: Peter Kudless  
640 E. Wood Street  
Vineland, NJ 08360

Re: Weld Probe for Seimans Change Order #32 Request  
Shelby Job #15199

Dear Mr. Kudless:

Shelby Mechanical, Inc. respectfully submits the following Change Order request for the above referenced project.

**Change Order #32**

1. Weld Probe for Seimans.

Labor	\$	575.00
Equipment		250.00
Material		63.00
Total	\$	<u>888.00</u>

**TOTAL CHANGE ORDER #32**

**\$ 888.00**

**Terms and Conditions**

2. Net of Payment – Net 30 days.
3. Sales Tax is not included.

If you have any questions or we can be of any further service, please do not hesitate to call.

Very truly yours,

Wayne D. Hoffmann  
Vice President of Piping & Fabrication  
Email: [whoffmann@shelbymechnical.com](mailto:whoffmann@shelbymechnical.com)

WDH/tt



Change Order Request #

32

VMEU Clayville Unit 1  
4087 South Lincoln Ave  
Vineland, NJ 08361.

<u>Item</u>	<u>Description</u>	<u>Current Request</u>	<u>Previously Approved</u>	<u>Status</u>	<u>Budget Code (WBS) (Funded From)</u>	<u>RFC</u>	<u>Funding Source</u>	<u>Item Not Authorized</u>
	Weld Probe for Seimans	888.00						

COR TOTAL: 888.00 TOTAL REQUEST: 888.00 REQUESTED DAYS:

Shelby Mechanical Inc.

Owner

Architect/Engineer

Issued By

*Wayne Hoffmann*  
Wayne Hoffmann  
2/5/2016

Authorized By:

*Peter Krukowski*

Recommended By:

*A/B*

Date

Date

*3/3/16*

Date:

NOTE:

Items not funded within the current budget / contract may (and in most cases will) result in an increase to the Project Construction Cost, GMP or Prime Contract. Appropriate Prime Contract Change Order(s) will result. In the case of Estimated and Quoted amounts if the Final amount does not exceed the amount shown, authorization is given to issue appropriate change order(s).

*Subject to approval of a Contract Change Order*  
*By Vineland City Council*

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

Vineland - Clayville Unit #1 - Project 293.01-VMEU C1 PR Package

Change Order #32

Labor

Field 0 hrs Journeyman	0
5 hrs Foreman	5
0 M/H Journeyman - 0 x 108.00	\$ 0.00
5 M/H Foreman - 5 x 115.00	<u>575.00</u>
	\$ 575.00

Equipment

Welding Machine	\$ 125.00
Truck	<u>125.00</u>
Total	\$ 250.00

Material

Argon	\$ 55.00
Total	<u>55.00</u>
O&P	8.00
Total	<u>\$ 63.00</u>

Summary

Labor	\$ 575.00
Material	250.00
Equipment	<u>63.00</u>
TOTAL	\$ 888.00





Field Change Order Form

Date: 2/5/2016

Contractor: Shelby Mechanical Job # 15199  
Requested By: Wayne Hoffmann  
Project: Clayville Unit #1 FCO # #32

Description of Requested Work and Justification:

Supply Welder for Seimans Probe

Detailed Estimate: Attach Labor/Material and Equipment Estimates

Direct Field Manhours	<u>5</u>	Total Labor Cost	\$ <u>575.00</u>
Shop Manhours	<u>0</u>	Total Material Cost	\$ <u>63.00</u>
Subcontractor Manhours	<u>0</u>	Total Equipment	\$ <u>250.00</u>
Total Manhours	<u>5</u>	Total Subcontractor	\$ <u>-</u>
		Total Costs	\$ <u>888.00</u>

How will this Change Order be executed  
Lump Sum X T&M \_\_\_\_\_

Change Codes for Quality Measurement

- Construction; Constructibility - change in methodology
- Construction; Error Omission during construction
- Construction; Interface (E&D and Supplier conflict)
- Construction; Unforeseen Conditions
- Engineering & Design; Constructibility (by construction)
- Engineering & Design, Error or Omission during design
- Engineering & Design, Field Conditions
- Engineering & Design; Improvement
- Engineering & Design; Supplier Information

Vertical grid of 9 empty boxes for change codes

- Operations/Owner, Change initiated by operations
- Operations/Owner, Environ, Health, Safety
- Operations/Owner, Improvement
- Operations/Owner, Operability (Op's and/or Maint.)
- Operations/Owner, Pre-Start-Up Review
- Operations/Owner, Change
- Suppliers; Change, Error or Omission
- Transportation; Change, Error, or Omission

Vertical grid of 9 empty boxes for change codes

Approved for Engineering/Construction

Approved	Rejected				
_____	_____	Construction Coordinator	_____	Date	_____
_____	_____	Project Manager	_____	Date	_____
_____	_____	Engr & Construction Director	_____	Date	_____

Yes \_\_\_\_\_ No \_\_\_\_\_

Does this Work Require an MOC \_\_\_\_\_

Does this Work Require an Extension to the Scheduled Critical Path Timeline \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_

Copies to: \_\_\_\_\_ File/Requestor/Signatory/Execution



Change Order Request #

33

VMEU Clayville Unit 1  
4087 South Lincoln Ave  
Vineland, NJ 08361

*Note: Work will be completed when this scope will be completed = Down Unit #11*

*John*

<u>Item</u>	<u>Description</u>	<u>Current Request</u>	<u>Previously Approved</u>	<u>Status</u>	<u>Budget Code (WBS) (Funded From)</u>	<u>RFC</u>	<u>Funding Source</u>	<u>Item Not Authorized</u>
	Ammonia Nozzles Repair	45,212.00						

**COR TOTAL:** 45,212.00      **TOTAL REQUEST:** 45,212.00      **REQUESTED DAYS:**

Shelby Mechanical Inc.

Owner

Architect/Engineer

Issued By

*Wayne Hoffmann*  
Wayne Hoffmann  
5/5/2016

Authorized By:

*Peter J. Knicker*  
Peter J. Knicker  
5/6/15

Recommended By:

*N/A*

Date

Date

Date:

NOTE:

Items not funded within the current budget / contract may (and in most cases will) result in an increase to the Project Construction Cost, GMP or Prime Contract. Appropriate Prime Contract Change Order(s) will result. *Contract Change Order*  
In the case of Estimated and Quoted amounts if the Final amount does not exceed the amount shown, authorization is given to issue appropriate change order(s).

*Subject to approval of a  
By Vineland City Council.*

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

May 5, 2016

City of Vineland  
Attn: Mr. Peter Kudless  
640 E. Wood Street  
Vineland, NJ 083620

RE: Ammonia Nozzles Repair Change Order #33 Request  
Shelby Job #15199

Dear Mr. Kudless,

Shelby Mechanical, Inc. respectfully submits the following Change Order request for the above referenced project.

**Change Order #33**

1. Ammonia Nozzles Repair

TOTAL CHANGE ORDER #33. .... **\$ 45,211.48**

5/5 Look at job and set up job  
Boilermaker GF 8 hrs at \$130.33 \$ 1,042.64  
BMJ 4 hrs at \$115.38 461.52  
Pick up truck 125.00

5/6 BMF 8 hrs ST at \$125.77 \$ 1,006.16  
4 hrs OT at \$179.56 718.24  
BM 8 hrs ST at \$115.38 923.04  
4 hrs OT at \$164.39 657.56  
Pick up Truck 125.00  
Welding Machine 100.00  
4-Gas Monitor 60.00

City of Vineland  
Attn: Mr. Peter Kudless  
May 5, 2016  
Page 2 of 3

5/7			
	BMF	16 hrs at \$179.56	\$ 2,872.96
	BMJ	32 hrs at \$164.39	5,260.48
	Pick up Truck		125.00
	Welding Machine		100.00
	4-Gas Monitor		60.00
5/8			
	BMF	12 hrs at \$233.34	\$ 2,800.08
	BMJ	12 hrs at \$213.40	2,560.80
	Pick up Truck		125.00
	Welding Machine		100.00
	Scaffold Price		\$ 23,625.00
	10% O&P		<u>2,363.00</u>
	Total Change Order #33		\$ 45,211.48

We have included the following:

- Scaffolding

We have excluded the following.

- Bonds
- Permits

#### Terms and Conditions

1. Clear access must be provided to Shelby Mechanical Inc. while work is in Progress.
2. Net of Payment – Net 30 days.
3. This proposal is based on mutually acceptable terms, conditions and insurance provisions of any contract or purchase order issued to Shelby Mechanical Inc.
4. N.J. Sales Tax is not included.
5. This proposal is valid for 30 days.

City of Vineland  
Attn: Mr. Peter Kudless  
May 5, 2016  
Page 3 of 3

Thank you for giving us the opportunity to provide you with our proposal. If you have any questions or we can be of any further service, please do not hesitate to call.

Very truly yours,

Wayne D. Hoffmann  
Vice President of Piping & Fabrication  
Email: [whoffmann@shelbymechnical.com](mailto:whoffmann@shelbymechnical.com)

WDH/tt



Field Change Order Form

Date: 5/5/2016

Contractor: Shelby Mechanical Job # 15199  
Requested By: Wayne Hoffmann  
Project: Clayville Unit #1 FCO # #33

Description of Requested Work and Justification:

*Note: Work s/k = Down Unit #11* *pg 2*

Ammonia Nozzles Repair

Detailed Estimate: Attach Labor/Material and Equipment Estimates

Direct Field Manhours	<u>108</u>	Total Labor Cost	\$ <u>18,303.48</u>
Shop Manhours	<u>0</u>	Total Material Cost	\$ <u>          </u>
Subcontractor Manhours	<u>48</u>	Total Equipment	\$ <u>920.00</u>
Total Manhours	<u>156</u>	Total Subcontractor	\$ <u>23,625.00</u>
		10% O&P	\$ <u>2,363.00</u>
		Total Costs	\$ <u>45,211.48</u>

How will this Change Order be executed

Lump Sum  T&M

Change Codes for Quality Measurement

- Construction; Constructibility - change in methodology
- Construction; Error Omission during construction
- Construction; Interface (E&D and Supplier conflict)
- Construction; Unforeseen Conditions
- Engineering & Design; Constructibility (by construction)
- Engineering & Design, Error or Omission during design
- Engineering & Design, Field Conditions
- Engineering & Design; Improvement
- Engineering & Design; Supplier Information


- Operations/Owner, Change initiated by operations
- Operations/Owner, Environ, Health, Safety
- Operations/Owner, Improvement
- Operations/Owner, Operability (Op's and/or Maint.)
- Operations/Owner, Pre-Start-Up Review
- Operations/Owner, Change
- Suppliers; Change, Error or Omission
- Transportation; Change, Error, or Omission


Approved for Engineering/Construction

Approved	Rejected		
_____	_____	Construction Coordinator	_____ Date _____
_____	_____	Project Manager	_____ Date _____
_____	_____	Engr & Construction Director	_____ Date _____

Yes No

\_\_\_\_\_ Does this Work Require an MOC

\_\_\_\_\_ Does this Work Require an Extension to the Scheduled Critical Path Timeline

Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Copies to:

File/Requestor/Signatory/Execution



Change Order Request #  
34 Rev 1

VMEU Clayville Unit 1  
4087 South Lincoln Ave  
Vineland, NJ 08361

<u>Item</u>	<u>Description</u>	<u>Current Request</u>	<u>Previously Approved</u>	<u>Status</u>	<u>Budget Code (WBS) (Funded From)</u>	<u>RFC</u>	<u>Funding Source</u>	<u>Item Not Authorized</u>
	Install 1" Valves	10,864.00						

**COR TOTAL:** 10,864.00      **TOTAL REQUEST:** 10,864.00      **REQUESTED DAYS:**

Shelby Mechanical Inc.

Owner

Architect/Engineer

Issued By

*Wayne Hoffmann*  
 Wayne Hoffmann  
 5/6/2016

Authorized By:

*Peter J. Kudlow*

Recommended By:

*N/A*

Date

Date

*5/6/2016*

Date:

NOTE:

Items not funded within the current budget / contract may (and in most cases will) result in an increase to the Project Construction Cost, GMP or Prime Contract. Appropriate Prime Contract Change Order(s) will result. In the case of Estimated and Quoted amounts if the Final amount does not exceed the amount shown, authorization is given to issue appropriate change order(s).

*Subject to Approval of a  
Contract Change Order by*

*Vineland City Council*

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

May 6, 2016

City of Vineland  
Attn: Peter Kudless  
640 E. Wood Street  
Vineland, NJ 08360

Re: Install 1" Valves Change Order #34 Revision 1 Request  
Shelby Job #15199

Dear Mr. Kudless:

Shelby Mechanical, Inc. respectfully submits the following Change Order request for the above referenced project.

**Change Order #34 R1**

1. Install 1" Valves.

Labor	\$ 5,448.00
Equipment	855.00
Material	711.00
Subcontractor	3,850.00
Total	<u>\$ 10,864.00</u>

**TOTAL CHANGE ORDER #34 R1**

**\$ 10,864.00**

**Terms and Conditions**

2. Net of Payment – Net 30 days.
3. Sales Tax is not included.

If you have any questions or we can be of any further service, please do not hesitate to call.

Very truly yours,

Wayne D. Hoffmann  
Vice President of Piping & Fabrication  
Email: whoffmann@shelbymechnical.com

WDH/tt



Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

May 6, 2016

City of Vineland  
Attn: Peter Kudless  
640 E. Wood Street  
Vineland, NJ 08360

Re: Install 1" Valves Change Order #34 Revision 1 Request  
Shelby Job #15199

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Material	711.00
Subcontractor	3,850.00
Total	<u>\$ 10,864.00</u>

TOTAL CHANGE ORDER #34 R1

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**Terms and Conditions**

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Very truly yours,

Wayne D. Hoffmann  
Vice President of Piping & Fabrication  
Email: whoffmann@shelbymechnical.com

WDH/tt

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Bollermaking  
Piping  
Fabrication  
Code Welding

May 6, 2016

City of Vineland  
Attn: Peter Kudless  
640 E. Wood Street  
Vineland, NJ 08360

Re: Install 1" Valves Change Order #34 Revision 1 Request  
Shelby Job #15199

Dear Mr. Kudless:

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**Change Order #34 R1**

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Labor	\$	5,448.00
Equipment		855.00
Material		711.00
Subcontractor		3,850.00
Total	\$	<u>10,864.00</u>

**TOTAL CHANGE ORDER #34 R1**

**\$ 10,864.00**

**Terms and Conditions**

2. Net of Payment – Net 30 days.  
3. Sales Tax is not included.

If you have any questions or we can be of any further service, please do not hesitate to call.

Very truly yours,

Wayne D. Hoffmann  
Vice President of Piping & Fabrication  
Email: [whoffmann@shelbymechnical.com](mailto:whoffmann@shelbymechnical.com)

WDH/tt

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

Vineland – Clayville Unit #1 - Project 293.01-VMEU C1 PR Package

Change Order #34R1

**Labor**

Field 24 hrs Journeyman	24
24 hrs Foreman	24
24 M/H Journeyman – 24 x 110.00	\$ 2,640.00
24 M/H Foreman – 24 x 117.00	<u>2,808.00</u>
	\$ 5,448.00

**Equipment**

4 Gas Monitor	\$ 180.00
Welding Machine	300.00
Truck	<u>375.00</u>
Total	\$ 855.00

**Material**

1 – 1" SW Ball Valve SS	\$ 288.00
1 – 1" SW Ball Valve SS	148.00
1 – 1" SW Ball Valve CS	<u>210.00</u>
Total	646.00
O&P	<u>65.00</u>
Total	\$ 711.00

**Subcontractor**

New States	\$ 3,500.00
O & P	<u>350.00</u>
Total	\$ 3,850.00

**Summary**

Labor	\$ 5,448.00
Material	711.00
Equipment	855.00
Subcontractor	<u>5,500.00</u>
TOTAL	\$ 10,864.00

Electrical  
Heavy Rigging  
Plumbing/HVAC  
Storage Facility



Boilermaking  
Piping  
Fabrication  
Code Welding

Vineland – Clayville Unit #1 - Project 293.01-VMU C1 PR Package

Change Order #34R1

**Labor**

Field 24 hrs Journeyman	24
24 hrs Foreman	24
24 M/H Journeyman – 24 x 110.00	\$ 2,640.00
24 M/H Foreman – 24 x 117.00	<u>2,808.00</u>
	\$ 5,448.00

**Equipment**

4 Gas Monitor	\$ 180.00
Welding Machine	300.00
Truck	<u>375.00</u>
Total	\$ 855.00

**Material**

1 – 1" SW Ball Valve SS	\$ 288.00
1 – 1" SW Ball Valve SS	148.00
1 – 1" SW Ball Valve CS	<u>\$ 210.00</u>
Total	646.00
O&P	<u>65.00</u>
Total	\$ 711.00

**Subcontractor**

New States	\$ 3,500.00
O & P	<u>350.00</u>
Total	\$ 3,850.00

**Summary**

Labor	\$ 5,448.00
Material	711.00
Equipment	855.00
Subcontractor	<u>5,500.00</u>
TOTAL	\$ 10,864.00



Field Change Order Form

Date: 5/5/2016

Contractor: Shelby Mechanical Job # 15199  
Requested By: Wayne Hoffmann  
Project: Clayville Unit #1 FCO # #34

Description of Requested Work and Justification:

Ammonia Nozzles Repair

Detailed Estimate: Attach Labor/Material and Equipment Estimates

Direct Field Manhours	<u>48</u>	Total Labor Cost	\$ <u>5,448.00</u>
Shop Manhours	<u>0</u>	Total Material Cost	\$ <u>711.00</u>
Subcontractor Manhours	<u>24</u>	Total Equipment	\$ <u>855.00</u>
Total Manhours	<u>72</u>	Total Subcontractor	\$ <u>3,500.00</u>
		10% O&P	\$ <u>350.00</u>
		Total Costs	\$ <u>10,864.00</u>

How will this Change Order be executed  
Lump Sum X T&M \_\_\_\_\_

Change Codes for Quality Measurement

- Construction; Constructibility - change in methodology
- Construction; Error Omission during construction
- Construction; Interface (E&D and Supplier conflict)
- Construction; Unforeseen Conditions
- Engineering & Design; Constructibility (by construction)
- Engineering & Design, Error or Omission during design
- Engineering & Design, Field Conditions
- Engineering & Design; Improvement
- Engineering & Design; Supplier Information

Vertical grid of 10 empty boxes for change codes

- Operations/Owner, Change Initiated by operations
- Operations/Owner, Environ, Health, Safety
- Operations/Owner, Improvement
- Operations/Owner, Operability (Op's and/or Maint.)
- Operations/Owner, Pre-Start-Up Review
- Operations/Owner, Change
- Suppliers; Change, Error or Omission
- Transportation; Change, Error, or Omission

Vertical grid of 10 empty boxes for change codes

Approved for Engineering/Construction

Approved	Rejected				
_____	_____	Construction Coordinator	_____	Date	_____
_____	_____	Project Manager	_____	Date	_____
_____	_____	Engr & Construction Director	_____	Date	_____

Yes No

\_\_\_\_\_ Does this Work Require an MOC

\_\_\_\_\_ Does this Work Require an Extension to the Scheduled Critical Path Timeline

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Copies to:

File/Requestor/Signatory/Execution