

## SECTION 00630

## CHANGE ORDER (EJCDC C-941)

**Change Order****No. 12**Date of Issuance: August 20, 2021 Effective Date: \_\_\_\_\_

Project: Peirce Island Wastewater Treatment Facility Upgrade	Owner: City of Portsmouth, NH	Owner's Contract No.: Bid No. 39-16 CWSRF CS-330106-16
Contract: Peirce Island Wastewater Treatment Facility Upgrade		Date of Contract: September 1, 2016
Contractor: Methuen Construction Company, Inc.		Engineer's Project No.: 60323328

**The Contract Documents are modified as follows upon execution of this Change Order:**

## Description:

1. Deleted acoustical treatment in BAF Blower Room.

Cost: (\$55,000.00)

2. Modified roof penetration detail for BAF Blower discharge piping.

Cost: \$7,055.01

3. Added curbs for skylights at the Solids Building.

Cost: \$36,643.26

4. Modified painting requirements in the BAF Gallery.

Cost: (\$3,112.10)

5. Added metal fascia and parapet roof to the Electrical Building.

Cost: \$21,420.00

6. Modified ladder connections at Grit Building.

Cost: \$7,381.00

7. Removed Fournier dewatering press in the existing Sludge Handling Building.

Cost: \$4,019.46

8. Added insulation to fire protection piping in the Solids Building Truck Bay.

Cost: \$6,407.40

9. Modified grading and added a catch basin outside the Solids Building.

Cost: \$25,390.11

10. Added guard posts outside the Chemical Storage Building.

Cost: \$4,063.87

11. Modified size and elevation of chlorine contact tank slab.

Cost: \$3,367.70

12. Removed additional contaminated soil outside the Operations/Lab Building.

Cost: \$45,677.66

13. Added heat tracing for two sodium bisulfite lines at the Chlorine Contact Tank.

Cost: \$5,344.84

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14. Additional material cost for picket guardrail at Operations/Lab Building.  
Cost: \$20,400.00
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15. Added removable handrail for BAF Equipment Vestibule.  
Cost: \$2,546.63
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16. Completed electrical changes resulting from modified fume hood selection in the Operations/Lab Building.  
Cost: \$2,644.91
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17. Modified sidewalk restoration and safety fencing removal at Mechanic Street.  
Cost: (\$38,882.13)
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18. Added water softener in Operations/Lab Building.  
Cost: \$20,958.14
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19. Added additional odor control connections to screw presses and re-balanced the odor control system outside the Solids Building.  
Cost: \$14,776.96
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20. Material cost for three new primary sludge check valves for the Solids Building.  
Cost: \$11,365.74
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21. Modified Transformers 80.4 and 80.5 in the Operations/Lab Building.  
Cost: \$9,184.99
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22. Completed repairs and modifications to trench drains in the Operations/Lab Building Maintenance Garage.  
Cost: \$9,023.91
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23. Material cost for two electric actuators for the Grit Building Thickened Sludge Pump discharge piping.  
Cost: \$22,214.27
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24. Modified extent of finish paving and restoration along the side of the roadway on Peirce Island Road.  
Cost: (\$10,221.69)
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25. Modified the roof overflow discharge piping at the Solids Building.  
Cost: \$4,322.03
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26. Material cost for modifying the Sludge Tank mixing system at the Solids Building.  
Cost: \$12,479.83
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27. Added additional GFCI Breakers in the Operations/Lab Building Laboratory.  
Cost: \$440.08
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28. Modified HVAC in the CCT Analyzer Shed.  
Cost: \$10,038.48
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29. Added additional GFCI Breakers in the Operations/Lab Building Laboratory  
Cost: \$528.00
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30. Added new circuit between Panelboard and Fume Hood lighting transformer in the Operations/Lab Building.  
Cost: \$1,892.08
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31. Repaired Solids Building insulation after installation of heat trace monitors.  
Cost: \$465.61
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32. Changed sink fixtures in Operations/Lab Building Laboratory.  
Cost: \$2,766.39
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33. Added neutralization tanks in the Operations/Lab Building Laboratory for the Fume Hood and Cup Sink.  
Cost: \$1,811.06
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34. Completed repairs to the Operations/Lab Building Maintenance Garage Floor.  
Cost: \$1,906.67
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35. Located tracer wire for water line to New Castle.  
Cost: \$2,166.82
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36. Installed cap at Operations/Lab Building between containment wall and masonry wall.  
Cost: \$3,542.62
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37. Modified the electrical distribution system at the Chlorine Contact Tanks.  
Cost: \$40,196.04
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38. Provided 10 additional padlocks.  
Cost: \$1,308.76
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39. Modified waste drain tubing from ice maker and reverse osmosis units in Operations/Lab Building Laboratory.
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40. Added remote transmitters and controls for the remote operation of the BAF Building Overhead Door.  
Cost: \$514.08
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41. Provided emergency service call to place boilers back into service.  
Cost: \$1,034.59
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42. Extended costs resulting from delays due to unforeseen structural conditions during the demolition and reconstruction of the Operations/Lab Building.  
Cost: \$575,632.74
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43. Revise the time for Substantial Completion to 1,674 days and the time for Final Completion to 1,884 days.  
Cost: \$0.00
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**Attachments (list documents supporting change):**

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1. PCO 093 BAF Blower Rm Acoustical Wall & Ceiling Panels from Methuen Construction

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  2. PCO 117 BAF 20in ALP Roof Penetration (RFI 156) from Methuen Construction

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  3. PCO 125 Solids Skylight Curbs (RFI 280) from Methuen Construction

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  4. PCO 138 Credit Painting BAF Pipe Gallery Walls & Ceilings from Methuen Construction

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  5. PCO 156 Electrical Building Façade (CMR 200) from Methuen Construction

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  6. PCO 159 Grit Lintels and Ladder (RFI 229/CMR 076) from Methuen Construction

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  7. PCO 178 Remove Fournier Press from Methuen Construction

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  8. PCO 179 Solids Truck Bay Fire Protection Insulation from Methuen Construction

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  9. PCO 192 Grading at Solids from Methuen Construction

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  10. PCO 212 Added Guard Posts at Chemical Storage Building (RFI 406) from Methuen Construction

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  11. PCO 224 Chlorine Contact Tank Slab Elevation & Size (CMR 252) from Methuen Construction

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  12. PCO 271 Additional Soil Removal from Methuen Construction

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  13. PCO 279 Heat Trace Sodium Bisulfite Lines (RFI 515) from Methuen Construction

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  14. PCO 283 Operations Building Picket Guardrail vs. 2-Rail from Methuen Construction

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  15. PCO 284 BAF Equipment Vestibule Room 6015 Handrail from Methuen Construction

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  16. PCO 290 Fume Hood (CMR 283) from Methuen Construction

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  17. PCO 291 Mechanic Street Restoration (CMR 285) from Methuen Construction

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  18. PCO 292 Water Softener Operations Building (CMR 286) from Methuen Construction

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  19. PCO 293 Odor Control No. 2 Balancing Clarifications (RFI 536) from Methuen Construction

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  20. PCO 296 PSL Check Valves (CMR 290) from Methuen Construction

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  21. PCO 297 T.80.4 & 80.5 Revisions from Methuen Construction

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  22. PCO 298 Ops Trench Drains (RFI 528) from Methuen Construction

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  23. PCO 299 TSL Pump MOV from Methuen Construction

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  24. PCO 301 Final Road Paving (CMR 287) from Methuen Construction

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- 25. PCO 303 Solids Building 6" Overflow Discharge from Methuen Construction
- 26. PCO 304 Sludge Mixing Tanks from Methuen Construction
- 27. PCO 306 GFCI Breakers – Operations Building from Methuen Construction
- 28. PCO 307 CCT Shed HVAC from Methuen Construction
- 29. PCO 309 Operations Building Lab Room Outlets at Cup Sink from Methuen Construction
- 30. PCO 310 Operations Building Welding Fume Hood (RFI 552) from Methuen Construction
- 31. PCO 314 Solids Insulation Repair from Methuen Construction
- 32. PCO 315 Operations Building Lab Sink Fixture from Methuen Construction
- 33. PCO 316 Operations Building Neutralization Tanks from Methuen Construction
- 34. PCO 317 Operations Building Garage Floor from Methuen Construction
- 35. PCO 318 CE#599 – Locate Tracer Wire from Methuen Construction
- 36. PCO 319 RFI 554 Cap at Operations Containment Wall from Methuen Construction
- 37. PCO 320 CCT Tank Mods & CCT HVAC Shed from Methuen Construction
- 38. PCO 321 Padlocks from Methuen Construction
- 39. PCO 322 IW-1 to LS-2 Waste Drain Pipe Routing (RFI 505) from Methuen Construction
- 40. PCO 323 OH Door Remote Transmitters (CMR 318) from Methuen Construction
- 41. PCO 324 Low Propane – Emergency No Heat Call from Methuen Construction
- 42. July 30, 2021 Letter RE: Time Extension from Methuen Construction

**CHANGE IN CONTRACT PRICE:**

**CHANGE IN CONTRACT TIMES:**

Original Contract Price:  
\$72,785,545.00

Original Contract  Working  Calendar days  
 Substantial completion (days or date): 1,368  
 Ready for final payment (days or date): 1,459

Increase from previously approved Change Orders No. 01 to No. 11:  
\$2,498,519.46

[Increase] [Decrease] from previously approved Change Orders No. 01 to No. 11:  
 Substantial completion (days): 30  
 Ready for final payment (days): 30

Contract Price prior to this Change Order:  
\$75,284,064.46

Contract Times prior to this Change Order:  
 Substantial completion (days or date): 1,398  
 Ready for final payment (days or date): 1,489

Increase of this Change Order:  
\$834,356.28

[Increase] [Decrease] of this Change Order:  
 Substantial completion (days or date): 276  
 Ready for final payment (days or date): 396

**CHANGE IN CONTRACT PRICE (cont.):**

**CHANGE IN CONTRACT TIMES (cont.):**

Contract Price incorporating this Change Order:  
\$76,118,420.74

Contract Times with all approved Change Orders:  
 Substantial completion (days or date): 1,674  
 Ready for final payment (days or date): 1,884

RECOMMENDED:

By: [Signature]  
Engineer (Authorized Signature)

Date: 8-20-21

Approved by Funding Agency:

[Signature]  
NHDES, CWSRF

Date: 08/31/2021

ACCEPTED:

By: [Signature]  
Owner: Karen S. Conard  
City Manager

Date: 8/26/21

By: [Signature]  
Owner (Finance)

Date: \_\_\_\_\_

ACCEPTED:

By: [Signature]  
Contractor (Authorized  
Signature)

Date: 8.20 2021

By: [Signature]  
Brian Goetz  
DPW Deputy Director  
8/25/21