

SECTION 00630

CHANGE ORDER (EJCDC C-941)

Change Order

No. 5

Date of Issuance: May 10, 2018

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. Modify Grit Building Polymer Room layout for improved maintenance.

Cost \$28,011.16

2. Add guard posts at Standby Generator as required by NHDES.

Cost: \$ 15,025.80

3. Add control panel in Electric Building for construction phasing.

Cost: \$2,144.30

4. Add painting of fire protection piping.

Cost \$ 20,875.93

5. Add slide gates at the Primary Clarifier Effluent Distribution Box for flow isolation.

Cost: \$60,657.58

6. Modify Grit Building roof parapet to accommodate field conditions.

Cost: \$ 4,650.71

7. Change fire damper ratings to match partition wall rating.

Cost \$ 923.74

8. Add conduit at cable backboard for grounding.

Cost: \$ 1,495.83

9. Add conduits for telemetry in the Headworks.

Cost: \$ 695.36

10. Add battery backup emergency lighting fixtures.

Cost: \$ 1,355.95

11. Add additional roof anchors at the Grit Building for fall protection.

Cost: \$ 6,745.73

12. Relocate Primary Clarifier Effluent Distribution Box Flow Indicating Transmitter for construction phasing.

Cost: \$3,716.96

13. Add jib crane stop to Headworks jib crane.

Cost: \$ 1,569.02

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14. Modify gas monitoring system wiring.
Cost: (\$193.36)
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15. Separate unit heater circuits in Solids Building.
Cost: \$1,407.36
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16. Modify utility ductbank grounding from Transformer to the Electric Building.
Cost \$1,915.99
-
17. Replace City Water feed to Grit Building.
Cost: \$ 9,432.89
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18. Add Primary Sludge pump seal water stations in temporary enclosure at Gravity Thickener No. 2.
Cost: \$15,772.79
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19. Modify Screw Press seal water piping.
Cost: \$7,336.24
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20. Relocate the Thickened Sludge grinder control panel.
Cost: \$652.02
-
21. Remove unit heater disconnects in the Headworks.
Cost (\$ 912.82)
-
22. Add gate valves at sludge and scum cleanouts for maintenance.
Cost \$ 31,092.96
-
23. Furnish temporary generator and switchgear until permanent power is available.
Cost \$0.00
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24. Delete the 20,000 gallon temporary sludge storage tank.
Cost \$0.00
-
25. Add Grit Building 4-inch air low pressure butterfly valves for maintenance.
Cost \$3,168.46
-
26. Modify BAF Pressure Indicating Transmitter piping for 12 BAF cells.
Cost \$29,172.84
-
27. Revise fire rated door material at Caustic Room in Solids Building.
Cost \$4,712.40
-
28. Revise locations of devices for exhaust and supply fans.
Cost (\$1,097.28)
-
29. Truck route violation on 3/15/18.
Cost (\$500.00)

Attachments (list documents supporting change):

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- PCO 030 Grit Polymer Room Layout (CMR 058) from Methuen Construction.
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- PCO 036 Added Guard Posts around Generator (CMR 064) from Methuen Construction.
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- PCO 042 RIO 85.1 – Electrical Building (CMR 081) from Methuen Construction
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- PCO 043 Field Painting of Fire Protection Piping (CMR 042) from Methuen Construction.
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- PCO 052 Additional Slide Gates at PCE Distribution Box from Methuen Construction.
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- PCO 053 Revise Grit Building High Roof Parapet (CMR 105) from Methuen Construction.
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- PCO 055 3 Hour Fire Dampers (CMR 102) from Methuen Construction.
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- PCO 056 Ground Connection at Comcast Backboard (CMR 094) from Methuen Construction.
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- PCO 058 Headworks Conduit (CMR 089) from Methuen Construction.
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- PCO 059 Lighting Changes per RFI 112R1 (RFI-112) from Methuen Construction.
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- PCO 060 Additional Grit Building Roof Anchors (CMR 119) from Methuen Construction.
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- PCO 061 Relocate PCE Distribution Box Flow Indicating Transmitter (CMR 090) from Methuen Construction.

PCO 062 Headworks Jib Crane Stop (CMR 111) from Methuen Construction.
 PCO 063 AIT Wiring (CMR 100) from Methuen Construction.
 PCO 064 Unit Heater Circuits (CMR 099) from Methuen Construction.
 PCO 065 Ductbank P-1 Grounding (RFI 128) from Methuen Construction.
 PCO 066 City Water Feed to Grit (CMR 091) from Methuen Construction.
 PCO 067 Temporary PSL Pump Seal Water Stations (CMR 098) from Methuen Construction
 PCO 068 Screw Press Seal Water Feed Piping Modifications (CMR 097) from Methuen Construction.
 PCO 069 Relocate Grinder in Grit (CMR 103) from Methuen Construction.
 PCO 072 Unit Heater Disconnects (RFI 119) from Methuen Construction.
 PCO 075 Gate Valves at Sludge and Scum Cleanouts (RFI 145) from Methuen Construction.
 Backup for Items 23 and 24, Dated March 26, 2018.
 PCO 078 Grit Building 4" ALP Piping Butterfly Valves (CMR 127) from Methuen Construction.
 PCO 079 BAF PIT Piping (CMR 129) from Methuen Construction.
 PCO 082 Solids Building 3-hr Rated Door (CMR 112) from Methuen Construction.
 PCO 083 Grit Building HVAC Electrical Revisions (CMR 131) from Methuen Construction.

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:
\$72,785,545.00

Original Contract Working days Calendar days
 Substantial completion (days or date): 0
 Ready for final payment (days or date): 0

Increase from previously approved Change
 Orders No. 01 to No. 04:
\$1,170,720.39

[Increase] [Decrease] from previously approved Change
 Orders
 No. _____ to No. _____:
 Substantial completion (days): 0
 Ready for final payment (days): 0

Contract Price prior to this Change Order:
\$73,956,265.39

Contract Times prior to this Change Order:
 Substantial completion (days or date): 1,430
 Ready for final payment (days or date): 1,521

Increase of this Change Order:
\$249,828.16

[Increase] [Decrease] of this Change Order:
 Substantial completion (days or date): 0
 Ready for final payment (days or date): 0

CHANGE IN CONTRACT PRICE (cont.):

CHANGE IN CONTRACT TIMES (cont.):

Contract Price incorporating this Change Order:
\$74,206,093.55

Contract Times with all approved Change Orders:
 Substantial completion (days or date): 1,430
 Ready for final payment (days or date): 1,521

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 5-10-18

Approved by Funding Agency:
[Signature]
NHDES, CWSRF

Date: 6/13/18

ACCEPTED:

By: [Signature]
Owner: John P. Bohenko
City Manager

Date: 6-12-18

By: [Signature]
Owner (Finance)

Date: _____

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 05/10/18

By: [Signature]
Brian Goetz
Deputy Director of Public Works

Date: 6/4/18