



ADDENDUM NO. 3
TO CONTRACT DOCUMENTS

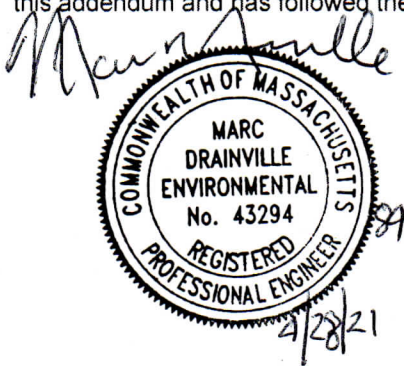
Project	Wareham WPCF Improvements – Phase I	Project No.	11221642
Owner	Town of Wareham, MA	Federal Project No.	CW SRF No. 6642
Contract No.	2021-WW-01	Date	April 28, 2021

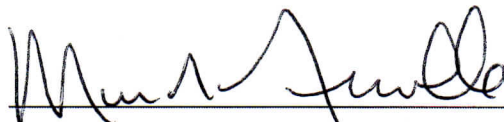
To All Contractors:

Contractors submitting proposals for the above-named project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's bid proposal.

Please see attached pages.

The return receipt requested with this communication is to be deemed evidence that the bidder has received this addendum and has followed the instructions outlined therein.





Marc R. Drainville, P.E., BCCE, LEED AP



ITEM NO. 1.

Section 16055 – Electrical Work

A. PARAGRAPH 3.07: **ADD** a new Section 3.08 as follows:

“3.08. RACEWAY APPLICATIONS

A. Conduit Types

A	Rigid galvanized steel (RGS)
D	Rigid, non-metallic conduit (PVC), Schedule 40
E	PVC-coated rigid steel conduit with interior lacquer coating
F	Flexible steel conduit (Greenfield)
G	Liquid tight, flexible conduit
G-2	Liquid tight, flexible, non-metallic
H	Explosion proof flexible conduit

B. Install raceway types according to the schedule below.

1. Interior

a. Unfinished Areas

1) Unclassified (above-grade; not wet, corrosive, or hazardous areas).

a) Use conduit Type E.

b) Final Connections - Use conduit Type F.

2) Wet Areas (above- and below-grade areas)

a) Use conduit Type E up to 8 feet above floor and Type E above 8 feet above floor.

b) Final Connections - Use conduit Type G.

3) Corrosive Areas

a) Use conduit Type E

b) Final Connections - Use conduit Type G-2.

4) Rooms Below Grade (not wet, corrosive, or hazardous)

a) Distribution Runs - Use conduit E.

b) Final Connections - Use conduit Type G-2.



- 5) Hazardous Areas
 - a) Use conduit Type E.
 - b) Final Connections - Use Type H.
 - c) Install sealoff fittings on non-hazardous side and extend Type E conduit a minimum of 18 inches into non-hazardous area.
2. Exterior - Exposed: Use conduit Type E (exposed or on building walls above 18 inches above grade). Type E (conduit stub-ups from ductbanks from 36 inches below grade to a minimum of 18 inches above grade or to first box or enclosure).
3. Underground Ductbanks - Use conduit Type D for 120V and higher voltage power and control. Use conduit Type A for signal and non-fiber optic communications. All stub-ups from 36 inches below grade shall be Type E.
4. Conduits to Contain Instrumentation Conductors (24 VDC or 4-20 mA)
 - a. For Wet Areas - Type E.
 - b. For Corrosive Areas - Type E.
 - c. For Hazardous Areas - Type E.
 - d. For Below-Grade Areas and in Ductbanks - Type A, except in manholes or where conduit exits grade, use Type E. Use Type E for all metallic conduits entering manholes within 24 inches of the manhole (can transition to Type A outside of 24 inches of manhole). Use Type E from 36 inches below grade for all conduits exiting grade. Also refer to paragraph 2 above.
 - e. For Non-classified Areas - Type A
5. Transitions and Final Connections - From encasement in concrete slab or below slab to exposed interior condition
 - a. For Type D In/Under Slab - Use Type E from 36 inches below top of slab to 6 feet above slab or to first box or enclosure.
 - b. For Stub-ups From Ductbank - Use Type E from 36 inches below grade up to first box or enclosure.
 - c. For Type A In/under Concrete - Use Type E from 24 inches below top of concrete at least to 24 inches above or to first fitting or box within 24 inches above concrete. Boxes or fittings within 24 inches of concrete floor shall be PVC coated.
 - d. All others shall be Type E unless otherwise allowed by Engineer.
 - e. All measurements are along the conduit.



6. Exceptions and Restrictions
 - a. No conduit shall be installed within or beneath below-grade slabs or within below-grade walls.
 - b. Do not use gutters or wireways for power or control circuits to major equipment unless shown otherwise.
 - c. Specific applications noted on the Contract Drawings shall take precedence over this schedule.”

ITEM NO. 2.

Drawing 112-26142-C002 – Site Plan – Proposed

- A. SITE PLAN – PROPOSED: **DELETE** leader and callout located over Equalization Basin 2 in its entirety and **REPLACE** with “LIMIT OF FULL-WIDTH ROADWAY RESTORATION.”

ITEM NO. 3.

Drawing 112-26142-C004 – Proposed Partial Site and Yard Piping Plan – Filter Building

- A. SHEET KEYNOTES: **DELETE** notes 10 and 11 in their entirety and **REPLACE** with the following notes:
 - “7. SEE SHEET C900 FOR PAVING AND GRAVEL RESTORATION DETAILS.
 8. PROVIDE 3” BALL VALVE WITH VALVE BOX.”
- B. PARTIAL SITE AND YARD PIPING PLAN – FILTER BUILDING: **DELETE** leader and callout located over Equalization Basin 2 in its entirety and **REPLACE** with “LIMIT OF FULL-WIDTH ROADWAY RESTORATION.”

ITEM NO. 4.

Drawing 112-26142-C003 – Site Plan – Proposed Layout and Grading Plan

- A. PARTIAL SITE PLAN – EQUALIZATION TANK AND ODOR CONTROL: **ADD** 100 feet of granite curbing along the edge of the road between Distribution Box No. 3 and the road.
- B. PARTIAL SITE PLAN – EQUALIZATION TANK AND ODOR CONTROL: **ADD** a leader pointing to the equipment pad northeast of the Equalization Basin No. 5 with text “PROVIDE SIX (6) BOLLARDS. LOCATION TO BE FIELD DETERMINED.”

ITEM NO. 5.

Drawing 112-26142-C900 – Miscellaneous Details – I

- A. CUTTING AND REPAIRING EXISTING ROADWAY PAVEMENT DETAIL 7: **DELETE** the note indication “2” in two (2) places and **REPLACE** with a note indication “3”.
- B. CUTTING AND REPAIRING EXISTING ROADWAY PAVEMENT DETAIL 7: **DELETE** the note indication “1” and **REPLACE** with a note indication “4”.