

PUBLIC BUILDING COMMISSION OF CHICAGO

**ADDENDUM NO. 4 TO CONTRACT NO. 1497
FOR**

**40th Street Beach Comfort Station
And
Osterman Beach Comfort Station
For
New Construction**

DATE: November 2, 2009

NOTICE OF CHANGES IN CONTRACT DOCUMENTS

The following changes are hereby made in the Contract Documents.

CHANGES TO BOOK 3 - TECHNICAL SPECIFICATIONS:

Change 1: Section 03300 Cast-in-Place Concrete

Omit - Paragraph 2.5A in its entirety; Add - the following paragraph and sub-paragraphs.

A. *Sheet Vapor Retarder: ASTM E 1745, Class C. Include manufacturer's recommended adhesive or pressure-sensitive joint tape.*

1. Products: Subject to compliance with requirements, provide one of the following:

- a) *Raven Industries Inc.; Vapor Block 6.*
- b) *Reef Industries, Inc.; Griffolyn Type-65.*
- c) *Stego Industries, LLC; Stego Wrap, 10 mil Class C.*

Add - Article 2.7 in its entirety after article 2.6

2.7 LIQUID FLOOR TREATMENTS

A. *Penetrating Liquid Floor Treatment: Clear, chemically reactive, waterborne solution of inorganic silicate or silicate materials and proprietary components; odorless; that penetrates, hardens, and densifies concrete surfaces.*

Products: Subject to compliance with requirements, provide one of the following:

- a) *Dayton Superior Corporation; Day-Chem Sure Hard (J-17).*
 - 1. Meadows, W. R., Inc.; LIQUI-HARD.**
 - 2. Symons by Dayton Superior; Buff Hard.**

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Change Article 2.7 to 2.8
Change Article 2.8 to 2.9
Change Article 2.9 to 2.10
Change Article 2.10 to 2.11

Change 2: 15410.2.1.A Plumbing Fixtures
ADD: Elkay Mfr. and Watts Mfr. as acceptable manufacturers.

Change 3: 15485.1.6.A Electric Water Heaters
Change “five year warranty” to “three year warranty”.
15485.2.1.A Electric Water Heaters
Change 150 psig to 125 psig.
15485.2.2.A Electric Water Heaters
Change 150 psig to 125 psig.

CHANGES TO DRAWINGS:

- Change 1:** Sheet C4.1, Utility Plan and Profile (40th and Osterman)
A. The sewer pipe diameter from the drinking fountain to the comfort station has been revised from a 6” diameter to a 4” diameter pipe. See C4.1.
- Change 2:** Sheet C5.2, Civil Details (40th and Osterman)
A. Detail 4, the sewer pipe diameter shown connected to and from the trench drain has been revised to be a 4” diameter pipe. **See C5.2.**
B. Detail 4, the grate has been revised to be bolted to the trench drain frame. **See C5.2.**
- Change 3:** Sheet G0.0, Cover Sheet (40th and Osterman)
A. Bidding General Note #8: Replace “All unsuitable fill material from excavation” with “All material from excavation”
- Change 4:** Sheet A2.1, Floor Plan (40th and Osterman)
A. General Notes: add note number 6, “All interior concrete floors to receive penetrating liquid floor treatment.”
- Change 5:** Sheet E1.01 – Electrical First-Floor Plan (Osterman and 40th Street Beach)
A. Relocated Relay Panel “LRP-1” to Life-Guard office and rearranged the electrical distribution equipment around the plumbing pipes. See E1.01.
- Change 6:** Sheet E2.01 – Electrical Single-Line Diagram (40th Street Beach Only)
A. Revised single-line diagram:
a. Eliminate the 4” PVC called out on the supply side of the New Outdoor Type Pad Mounted Medium Voltage Switchgear. PVC conduit not required. **See E2.01.**
b. Eliminate the 4”C. called out on the load side of the New Medium Voltage Switchgear. It is not required since cables shall be pulled through the existing electrical duct to the new utility transformer. **See E2.01.**
c. Clarified the routing of the new medium voltage cables and indicated the existing Manhole for the routing of the cables in existing electrical duct. After manhole, cables are to be routed in concrete-encased conduit. **See E2.01.**
d. Updated Keyed Note 2. **See E2.01.**
- Change 7:** Sheet P0.01- Plumbing Gen. Notes, Abbreviations & Symbols (Osterman and 40th Street)
A. Added expansion tanks to Water Heater Schedule. **See P0.01.**

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- B. Added symbol for fixture transformer. **See P0.01.**
- C. Added FD-1 with square grate for shower SH-1. **See P0.01.**
- D. Added note for daisy chain control for transformer for water closets and urinals. **See P0.01.**

QUESTIONS & ANSWERS:

- Q1.** (Sheet C 4.1 & C4.2) it clearly shows that the force main is to be 2" ductile iron piping. They do not make 2" ductile iron piping. Should we figure 3" ductile iron piping (the smallest ductile piping product) or should we change the materials of the force main.
- A1.** Per Addendum 2, Changes #7, 8 & 9, C4.1, C4.2 & C5.5, the forcemain has been revised to be 4" diameter Ductile Iron Piping.
- Q2.** On the 40th Street Beach plan it requires the relocation of some boulders. They are drawn ranging from 3' – 8' long but there is no height indicated. Are these boulders drawn to scale, if yes, how tall are they? If not, what are the sizes of these boulders? And what are they made of (granite, sandstone, etc)? We need this information to determine method of transport.
- A2.** Refer to Bidding General Note #1 on G0.0. General contractor is responsible for verifying size of boulders and scope of work during bid period. Boulders are shown in project rendering and on Civil and Landscape drawings, not to scale.
- Q3.** Has a construction access plan been formulated? With the sites being where they are, we want to make sure that we will have adequate access point for material deliveries etc. Is there a nearby Park District lot that can be utilized for worker parking and material staging?
- A3.** Construction fencing per sheet C0.3 and access to be coordinated with CPD during construction. Refer to attached site access sketches from CPD, for reference on site access only, **C0.3 (40th Street) & C0.3 (Osterman).**
- Q4.** Are the floors to receive concrete sealant?
- A4.** Yes. All interior concrete floors to receive penetrating liquid floor treatment. See change #6 to Book 3 specifications.
- Q5.** Is dry-fall paint being specified for the ceilings that are to be painted?
- A5.** There are no ceilings to be painted. Refer to spec section 06201 for exterior and interior T&G ceiling/soffit finish.
- Q6.** Is the wood fascia to receive paint?
- A6.** No. Refer to spec section 06201 for exterior and interior standing and running trim.
- Q7.** Are the metal gates and rails to be finished with paint or powder coating?
- A7.** Drawing 3 on A1.1 (Osterman) indicates galvanized railings. Refer to spec section 05521 for finish requirements. Metal gates to be hot dip galvanized (refer to spec section 05500 and 05521) and painted black (refer to spec section 09911, Article 3.6).
- Q8.** Mechanical room 104 shows exposed ceiling, but on detail A8.1 detail #4 shows a ceiling, with CMU above ceiling. Should 104 be all CMU in place of tile? That's a waste of tile & money.

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- A8.** The design is accurate as shown in the Bid Documents.
- Q9.** "Please provide more specific information regarding the gutter system - what profile gutter, what size downspout, what inline downspout filter, and what 'hinged leaf guard'?"
- A9.** Inline downspout filter is described in spec section 13461. 4" diameter downspout as indicated on architectural drawings. Gutter is 6" profile as indicated in architectural drawings. The profile will be made available in AutoCAD format by architect during construction.
- Q10.** Addendum 1 drawings and narrative both refer to Chicago Park District Switch gear. Is SG-1 going to be furnished and installed by the CPD, or furnished and installed in our bid?
- A10.** All Medium Voltage (MV) switchgear (SG-1 in 40th Street), MV cables, utility transformer and MV cutouts (Osterman) shall be furnished and installed by contractor.
- Q11.** Men's & Women's restroom plumbing chase is open to janitor's closet, what material should be used @ this location. Wall Type #3 is 6" one face tile.
- A11.** Wall type #3 as indicated on the Bid documents is correct for this location.
- Q12.** Mechanical room 104 shows exposed ceiling, but on detail A8.1 detail #4 shows a ceiling, with CMU above ceiling. Should 104 be all CMU in place of tile? That's a waste of tile & money.
- A12.** See answer #8.
- Q13.** 40th street comfort station: Is the contractor now supplying the transformer and the pad?
- A13.** Contractor shall provide utility transformer (12.47kV:208Y/120V) and concrete pad. Reference ComEd utility pad details for additional information on pad installation.
- Q14.** 40th street comfort station: Is the contractor now supplying the Feeders? In the original drawings it stated that this was supplied by CPD. The wording is different now.
- A14.** Refer to question Q10 and A10. Contractor to provide all MV equipment. Recommend field survey from existing medium-voltage source to new utility transformer for exact length of medium-voltage cables (both Osterman and 40th Street Comfort Stations).
- Q15.** 40th street comfort station: Is the contractor now supplying the 5" concrete encased conduit to the first manhole. Approx 360'?
- A15.** Drawing ES.01, Keyed Note 2: Contractor shall provide 5" concrete-encased conduit from manhole indicated on drawings to new utility transformer "TR-1".
- Q16.** No floor drain information is provided for shower SH-1. Drain is shown as square.
- A16.** The shower drain shall be a floor drain type FD-1 with a square grate.
- Q17.** Sheet S1.1 indicates footings for load bearing masonry exterior walls with a top of footing elevation of -3'-0". No details on penetrations through structural foundations are included. See sheet S0.1 and S0.2. Please provide inverts and information for

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- penetrations of water and sewer lines through foundation.
- A17.** The General Structural Notes on sheet S0.1, Concrete and Reinforcement section, second column, tenth paragraph states “place 2-#5 (1 each face) with 2’-0” projection around all openings in concrete, unless otherwise shown or noted.” Refer to civil drawings for invert elevations. Refer to Plumbing drawings for locations of water and sewer penetrations through foundation. Reference sheet P1.00 for plumbing penetrations through floor slab. All floor-penetrating pipe sizes are indicated on the Plumbing Underground Floor Plan.
- Q18.** Detail 4/P3.00 indicates link-seal® brand wall penetrations. Where are manufactured mechanical wall penetrations required?
- A18.** Manufactured wall penetration system by “Link-Seal” is not required for wall penetrations.
- Q19.** On Sheet P1.00 no cleanouts are shown where the sewer services exit the building. Is an interior, exterior or 2-way cleanout required?
- A19.** Per Spec Section 15155; A cleanout on the under-floor sanitary sewer is required at the sewer exit from the building per Chicago Code Section 18-29-708.3.5. The location of the floor cleanout shall be in the pipe chase near the exterior wall.
- Q20.** Architectural sheet A1.1 references the plumbing drawings for the exterior shower. A single manufacturer is provided and the plumbing drawing P1.00 references civil for “OSH-1.” C4.1 simply calls out “shower head.” More information is required to competitively bid and install this equipment.
- A20.** The Outdoor Shower shall be as scheduled in the Plumbing Fixture Schedule; Bradley COL-6B-SV-ST.
- Q21.** Has the trench drain for OSH-1 been designed as an area drain? How is this grate protected from theft or vandalism? Civil detail C5.2 shows a 6” ductile iron pipe waste connection. Plumbing shows a 4” waste connection. Decreasing pipe size is not allowed. What should the size be?
- A21.** (For 40th Street and Osterman) The trench drain collects the water associated with the shower area. The detail for the trench drain has been revised to show each lid being bolted to the frame with four (4) 3/8 – 16 SS countersunk socket head screws. See Addendum 4, sheet C5.2. The sewer pipe from the drinking fountain to the comfort station has been revised to be a 4” Diameter pipe. **See sheets C4.1 and C5.2**
- Q22.** Per 15410.2.1 A: Elkay is not an approved faucet manufacturer. Watts is not an approved manufacturer of thermostatic control valves, no alternate manufacturers are provided for sinks.
- A22.** Elkay will be included as an acceptable manufacturer for the stainless steel sinks and the faucets for the sinks, as scheduled. Watts will be included as an acceptable manufacturer for the thermostatic control valves, as scheduled.
- Q23.** Per 15485.2.1.A.3, water tanks are specified as ASME rated with a 150 psi pressure. WH sizes are 120 gallons, 20 gallons and 50 gallons respectively. The specified model is ASME rated for 125 psi for 65-120 gallons and 150 psi for 5-50 gallons. 150 psi working pressure is a custom order on smaller models. Is this required?

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- A23.** Water tanks pressure rating shall be 125 PSI.
- Q24.** What size expansion tanks are required for each water heater?
- A24.** The expansion tank for the 120 gallon storage water heater shall be equal to Amtrol ST-12. The expansion tank for the 50 gallon and 20 gallon storage water heaters shall be equal to Amtrol ST-5.
- Q25.** Per specification 15485.1.6.2: Manufacturers listed do not provide 5 year warranties.
- A25.** The manufacturer's warranty for the water heaters shall be three [3] years.
- Q26.** Per specification 11460.2.1.A, the specified sink requires more information to accurately bid among competitive manufacturers.
- A26.** The stainless steel sink is integral to the stainless steel countertop as part of a pre-fabricated kitchen unit. A pre-fabricated unit kitchen from an alternate manufacturer is acceptable as long as it meets the same technical requirements and Book 2A requirements. Refer to specification 11460, Articles 2.4 and 2.5 for sink and counter requirements.
- Q27.** ES.00 - Primary electrical service conduit may be installed via directional bore and not necessarily encased in a concrete envelope.
- A27.** Directional bore is referenced for the routing of AT&T utility conduit. Provide concrete-encased conduit for medium-voltage cables from existing manhole to new utility transformer "TR-1".
- Q28.** E1.01 - Exit signs in restroom not required.
- A28.** Exit signs shall be provided in both Men's and Women's Public restrooms.
- Q29.** E1.01 - Emergency battery unit lights are not shown in all restrooms
- A29.** Emergency battery units removed from scope. Exit signs shall provide the emergency illumination required by code.
- Q30.** E1.01 - Conflict between type "F" light fixture and closet at life guard office 107.
- A30.** Light fixture at closet is not mounted on the ceiling. See drawing 6 on A9.2.
- Q31.** E1.01 - Location of ceiling mounted occupancy sensor may not detect occupancy until someone is further inside the room.
- A31.** Location of ceiling-mounted occupancy sensor shall be coordinated and commissioned in the field to best suit room conditions. Standard occupancy sensors mounted at 8-15ft provides 10-20ft of radial coverage.
- Q32.** E3.01 - WH-3 is indicated on motor/equip schedule but not located on plan
- A32.** WH-3 is located inside the Mechanical room 104, Addendum 1: PSK-01, PSK-02.
- Q33.** E3.01 - Hand dryers do not require local disconnect switch. These are hard-wired directly.
- A33.** Remove Thermal Element Switch (TES) Disconnect Switch for all hand dryers HD-1 through HD-4. Hard-wire all Hand Dryers directly.

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- Q34.** Why are the C/T cabinet meters inside and not outside? This equipment is less than 800 amps.
- A34.** CPD/PBC request we follow 31st Comfort Station prototype which has its C/T cabinet located inside the Mechanical/Electrical room.
- Q35.** Is there any security measures taken? CCTV, monitoring? Exterior 24 hr lighting. For safety & security? The landscape drawing L-1 indicates future CCTV poles but there is no conduit provision shown on electrical drawings.
- A35.** CCTV poles will be under separate contract. Conduit provision for CCTV poles is not required under this contract. Exterior lighting is per Bid Documents.
- Q36.** Men's and women's restroom are switched alike, including type "J" light fixtures within pipe chase. Should these rooms be switched separately?
- A36.** The intent is maintain both restrooms at the same lighting levels whenever male or female enter either/or restroom.
- Q37.** Family restroom toilet does not have connection for auto flush for toilet.
- A37.** The transformer for the automatic flush valve is noted and located on Sheet No. P1.01.
- Q38.** All urinals in men's restroom do not indicate electrical connection to automatic flush valves. Plumbing drawings indicate urinals with automatic flush valves.
- A38.** A junction box is to be located at the back of each urinal, coordinate with plumbing drawings and urinal specifications.
- Q39.** More than one hand dryer may be required in men's/women's restroom.
- A39.** The design is accurate as shown in the Bid Documents.
- Q40.** Electrical equipment and plumbing equipment location is not coordinated in the mechanical rm. 104. May need a dedicated electrical room where water/piping is not present.
- A40.** Refer to new drawing E1.01 for both Osterman and 40th Street Comfort Stations. The relay panel has been relocated inside the Life-Guard office and the electrical distribution equipment has been rearranged around the plumbing pipes.

ATTACHMENTS:

- Drawings C4.1 – 40th Street, 1 page (22" x 34" format)
C4.1 – Osterman, 1 page (22" x 34" format)
C5.2 – 40th Street, 1page (22" x 34" format)
C5.2 – Osterman, 1 page (22" x 34" format)
E1.01 – Osterman, 1 page (22" x 34" format)
E1.01 – 40th Street, 1 page (22" x 34" format)
E2.01 – 40th Street, 1 page (22" x 34" format)
P0.01- Osterman, 1 page (22" x 34" format)
P0.01- 40th Street, 1 page (22" x 34" format)
C0.3 sketch – 40th Street, 1 page (11" x 17" format)
PSK-06 – 40th Street and Osterman, 1 page (8.5" x 11" format)
PSK-07 – 40th Street and Osterman, 1page (8.5" x 11" format)
PSK-08 – 40th Street and Osterman, 1 page (8.5" x 11" format)

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END OF ADDENDUM NO. 4