ADDENDUM NUMBER ONE

Date: March 11, 2024
Project: Bid No. IFB 24-13 Green Street Playground Municipal Splash Pad

THIS ADDENDUM FORMS A PART OF THE CONTRACT AND MODIFIES THE ORIGINAL DOCUMENTS DATED FEBURARY 21, 2024.

Specification Updates

ADD: SPECIFICATION SECTION 00 43 39

DELETE: SPECIFICATION SECTION 311216 Color Sealcoat
ADD: SPECIFICATION SECTION 311216 Color Sealcoat REVISED, per attachment

Attachments

- SPECIFICATION SECTION 00 43 39 Attachment B – MBE-WME
- SPECIFICATION SECTION 311216 Color Sealcoat REVISED
- SK-1

Questions Asked

Question #1: Sheet E002 detail #2, depicts 3#3/0 & 1#6GND from the utility pole riser to the meter socket. This is a single-phase design. The panel schedule below the detail calls for a three-phase panel. Will the electrical service be single, or three phase?

Answer #1: This is a 3-phase design the wiring from the new pole top transformer to panel PPL1 should be 4#3/0 & 1#4 ground

Question #2: Electrical is underground to the current pool shed. Does it still need to be replaced and is it coming from the bathhouse or the street?

Answer #2: The service to the new pool equipment cabinet should be provided via a new underground feed as indicated on the drawings. The existing service should be made safe for demolition

Question #3: Can a Vortex combined system be an acceptable option? Combined system – Prebuilt vault with all equipment installed, plug and play style.

Answer #3: Please provide products that meet or exceed the products provided in the contract documents.

Question #4: Please provide the rain diverter information.

Answer #4: Rain diverter shall be model number 0010-4666 with a hatch model number 0000-2466, both manufacturer by Waterplay or approved equal.

Question #5: Please clarify where the water supply is and who is responsible for it.

Answer #5: Supply water is the responsibility of the general contractor and is located on the backside of the existing filter building.

Question #6: Please clarify startup and shutdown. If the project is completed in the fall and winterized after the testing startup does that count as a winterization?

Answer #6: Startup shall occur in the spring of 2025 prior to the official opening. Shutdown shall occur at the fall in 2025, after the first year of operation.

Question #7: Does the steel in the mow strip under the fence need to be bonded?

Answer #7: The mow strip steel should be bonded via the bonding connections to the fence.

Question #8: Please provide a list of manufacturers who will warranty their product on splash pads.

Answer #8: The manufacturer of the sealcoat product that is the Basis of Design in the specifications will warranty the installation for one year

Question #9: The estimate shown on the central register is $975,000. Is that correct?

Answer #9: Yes that is the estimated costs.

Question #10: Spec page 00 21 13-8 item #26 Minority & Women Business Enterprise Requirements - it states the form required to be submitted with this bid are included in Section 00 43 49 of these contract documents. When reviewing the spec and looking through it I am not able to find section 00 43 49. The section is not within the contract documents. Please clarify where in the spec those forms are location or provide them if they were left out?

Answer #10: Please refer to the attached specification section that was previously missed.

Question #11: For the Woburn splash pad fence, the plans mention both ties and multi lock bands. Are black vinyl coated steel fence ties acceptable for the tying of the wire to posts and rails?

Answer #11: All connections at end and corner posts shall be made with multi-lock bands. Connections at intermediate posts can be vinyl clad ties.

Pre-Bid Conference Sign in List

Kyle Elmy – Weston & Sampson – elmyk@wseinc.com – 978-573-4073
Rory Lindstorm – City of Woburn - rlindstrom@cityofwoburn.com
Orazio DeLuca – City of Woburn - odeluca@cityofwoburn.com
Jason Houle – R. Bates and Sons – Jason@Rbatesconstruction.com – 978-333-1791
Jeff Sacca – JNJ Sacca Inc. – jnjsacca@comcast.net – 617-489-1819

END OF ADDENDUM ONE

SECTION 00 43 39

FORM OF GENERAL BID

ATTACHMENT B

MBE/WBE PARTICIPATION FORMS

SCHEDULE FOR PARTICIPATION FOR CONSTRUCTION

LETTER OF INTENT FOR CONSTRUCTION

SCHEDULE OF PARTICIPATION FOR CONSTRUCTION

Project Title: _____ **Project Location:** _____

Disadvantaged Minority Business Enterprise Participation in the Loan Work

Name & Address of D/MBE	Nature of Participation	Dollar Value of Participation
1.		
2.		
3.		
	Total D/MBE Commitment:	**$**
Percentage D/MBE Participation = (Total D/MBE Commitment) / (Bid Price) =		**%**

Disadvantaged Women Business Enterprise Participation in the Loan Work

Name & Address of D/WBE	Nature of Participation	Dollar Value of Participation
1.		
2.		
3.		
	Total D/WBE Commitment:	**$**
Percentage D/WBE Participation = (Total D/WBE Commitment) / (Bid Price) =		**%**

The Bidder agrees to furnish implementation reports as required by MassDEP to indicate the D/MBEs and D/WBE(s) which it has used or intends to use. Breach of this commitment constitutes a breach of the contract.

Name of Bidder: _____

Date: _____ By: _____
Signature

NOTE: Participation of a DBE may be counted in only their certified category; the same dollar participation cannot be used in computing the percentage of D/MBE participation and again of D/WBE participation.

July 2011 EEO-DEP-190C

LETTER OF INTENT FOR CONSTRUCTION

This form is to be completed by the D/MBE and D/WBE and must be submitted by the Bidder as part of the bid. A separate form must be completed for each D/MBE and D/WBE involved in the project.

Project Title: _____ Project Location: _____

TO: _____
(Name of Bidder)

FROM: _____
(Please Indicate Status [ ] D/MBE or [ ] D/WBE)

º I/we intend to perform work in connection with the above project as (check one):

An individual
A corporation
Other (explain): _____
A partnership
A joint venture with: _____

º It is understood that if you are awarded the contract, you intend to enter into an agreement to perform the activity described below for the prices indicated.

DBE PARTICIPATION

Description of Activity	Date of Project Commencement	$ Amount	% Bid Price
		$	

º The undersigned certify that they will enter into a formal agreement upon execution of the contract for the above referenced project.

BIDDER	**DBE**
(Authorized Original Signature) Date ADDRESS:	(Authorized Original Signature) Date ADDRESS:
TELEPHONE #	TELEPHONE #
FEIN:	FEIN:

ORIGINALS:

- **º Compliance Mgr. City/Town Project Location**
- **º DEP Program Manager for DEP's AAO Director**

*** Attach a copy of current (within 2 years) DBE Certification**

If it is determined that one or more of the DBE subcontractors as submitted by the Bidder on this form is not a certified DBE , the Bidder shall have an opportunity, following notification, to either find a certified DBE subcontractor to perform work equal to or greater than that of the uncertified subcontractor or to submit a waiver request.

July 2011 EEO-DEP-191C

REVISED MBE/WBE GOALS FOR CERTAIN STATE FUNDED BUILDING PROJECTS

Pursuant to M.G.L. c 7, §40N and M.G.L. c. 7, §61, the Supplier Diversity Office ("SDO") (formerly SOMWBA) and the Division of Capital Asset Management ("DCAM") have set revised participation goals for Minority Business Enterprise ("MBE") and Women Business Enterprise ("WBE") participation for affected state funded building projects and state assisted municipal building projects as defined in the above referenced laws and related Executive Orders, including Executive Orders 524 and 526.

Effective January 1, 2012, and until such time as the goals may be revised, the MBE and WBE participation goals for building construction and design awards and expenditures on new projects advertised on or after the effective date will be a combined MBE/WBE goal as follows:

10.4% combined MBE/WBE participation on construction contract awards; and,
17.9% combined MBE/WBE participation on design contract awards.

Overall annual designations by awarding authorities, as well as MBE/WBE participation on individual projects with a combined MBE/WBE participation goal, must include a reasonable representation of both MBE **and** WBE firms that meets or exceeds the combined goal. Proposed MBE/WBE participation plans that include solely MBE or solely WBE participation, or do not include a reasonable amount of participation by both MBE and WBE firms to meet the combined goal, will not be considered responsive. Where the prime contractor or designer is an SDO certified MBE or WBE, the prime must bring a reasonable amount of participation by a firm or firms that hold the certification which is not held by the prime contractor or designer on the project. Proposed participation on construction projects or design projects which consists solely of either an MBE or WBE representing 100% of the overall combined goal will not be considered reasonable participation.

The SDO and DCAM will determine whether there is reasonable participation by both MBE and WBE firms on individual projects under their respective oversight. Firms submitting MBE/WBE participation plans which do not provide reasonable participation by both MBE/WBE firms shall be provided an opportunity to revise and resubmit their plans within the time frame set by the awarding authority; however no price adjustments shall be permitted as a result of the revised plan. Firms failing to submit an MBE/WBE participation plan deemed reasonable and accepted by the awarding authority shall not be awarded the contract.

Participation by MBE and WBE firms must be documented, tracked and reported on separately as MBE participation and WBE participation by prime vendors, subcontractors and awarding authorities.

Construction Reform Law, Chapter 193 of the Acts of 2004

CONSTRUCTION PHASE

Reporting Form

___Quarter FY' ___

Massachusetts Supplier Diversity Office (MSDO)

Municipality (Name)	Construction Project (Name)	Construction Firm (Name)	Project Award Date	Construction Phase Budget $	MBE $ Total (7.4%)	WBE $ Total (4.0%)

General Contractor or CM at RISK	Phone Number# & E-mail	OPM (If Applicable)	Phone Number# & E-mail

M/WBE Firm	Work Preformed	MBE	WBE	Total $ Amount Sub-Contracted	Payments This Quarter	Cumulative Payments MBE	Cumulative Payments WBE
Completed by:			Phone#			Date:	

SECTION 311216
COLOR SEALCOAT
REVISED

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Under this Section, the Contractor shall furnish all necessary labor, materials, equipment, and transportation necessary to construct the following:

1. The concrete pavement for the splash pad shall be composed of materials as specified ~~herein~~ **in SECTION 03 11 00 CONCRETE FORMWORK, SECTION 03 21 00 CONCRETE REINFORCEMENT, SECTION 03 30 00 CAST-IN-PLACE CONCRETE, SECTION 03 48 00.13 PRECAST CONCRETE COLLECTOR TRANKS & STRUCTURES** and shall be constructed on a prepared base course to the depth, grade and cross-section shown on the plans, as specified ~~herein~~ **in SECTION 03 11 00 CONCRETE FORMWORK, SECTION 03 21 00 CONCRETE REINFORCEMENT, SECTION 03 30 00 CAST-IN-PLACE CONCRETE, SECTION 03 48 00.13 PRECAST CONCRETE COLLECTOR TRANKS & STRUCTURES** and as directed by the Owner's Representative

~~2. Unless otherwise specified in the Contract Drawings, concrete pavement shall be composed of a 4" depth minimum at 4000 psi.~~

~~3.~~ **2.** Color sealcoating of concrete pavements as shown on the plans and as specified herein.

1.02 REFERENCE STANDARDS AND SPECIFICATIONS

A. Reference to the standards, specifications and tests of technical societies, organizations and governmental bodies are made in the Contract Documents.

1. ASTM - American Society for Testing and Materials.

1.03 SUBMITTALS

A. Color Sealcoat: The Contractor shall submit catalog cuts, manufacturer's specifications and color chips or charts.

B. Layout of color sealcoat must be approved by Owner's Representative prior to installation.

1.04 QUALIFICATIONS/SPECIAL REQUIREMENTS – COLOR SEALCOAT APPLICATION

A. The Contractor shall engage the Landscape Architect to inspect and monitor the application of the initial sealer and filler coats upon the prepared surfaces of all pavements to receive color sealcoat.

B. The concrete pavement shall cure for twenty eight (28) days prior to applying any color sealcoat system layers.

C. If a latex-ite acrylic sealer/surfacer is to be utilized, the addition of silica by mechanical agitation on-site shall be inspected and monitored by the manufacturer's representative who is to be engaged by the Contractor at the Contractor's cost.

D. Adequate means shall be provided to protect the color seal coating(s) from damage until such time that each layer has cured sufficiently and no seal will adhere to and be picked up by the tires of vehicles or by pedestrian traffic.

E. No color seal coating shall be applied during any period within which rain or ~~sub-application~~ temperatures **outside manufacturer's recommended range** are predicted within forty-eight (48) hours, unless otherwise specified by the manufacturer.

F. No color seal coating shall be applied after October **31** ~~23, 2017~~ unless approved in writing by the Landscape Architect.

PART 2 – MATERIALS

2.01 COLOR SEALCOAT

A. The layout and design of color sealcoating shall be installed per contract drawings.

B. Concrete surface shall be prepared for seal coat application using California Concrete Preparer as manufactured by California Products Corporation, 169 Waverly Street, Cambridge, Massachusetts, or approved equal.

C. The patch binder shall be Plexipave Court Patch Binder as manufactured by California Products Corporation, 169 Waverly Street, Cambridge, Massachusetts, or approved equal.

D. The primer coat shall be Plexipave Ti-Coat as manufactured by California Products Corporation, 169 Waverly Street, Cambridge, Massachusetts, or approved equal.

E. The ~~two (2) filler coats~~ **filler coat** shall be Plexipave **Acrylic Resurfacer** as manufactured by California Products Corporation, 169 Waverly Street, Cambridge, Massachusetts, or approved equal. ~~Colors shall be as indicated on the plans.~~ The ~~two (2) Plexipave filler coats~~ **Plexipave filler coat** shall be applied to the cleaned concrete pavement as specified hereunder. It shall be non-flammable upon exposure to flame. The filler coats shall contain a minimum of 9 lb./gal. of Silica, 100 percent (100%) passing a 100% mesh as pre-mixed at the manufacturer's plant. No sand or silica shall be added to the emulsion in the field.

F. The **acrylic** color emulsion coating shall be California Products Company's ~~"Plexichrome"~~ **"Fortified Plexipave"** or an approved equal emulsion product. Colors shall match those of the Plexipave filler coats. ~~The Plexichrome shall be applied lengthwise of the court with a wide type pushbroom.~~

~~G. Water, if approved, may be added to the Plexipave emulsion mixes. In no case may the quantity of water in the filler coat emulsion mix exceed thirty-three percent (33%) of the emulsion volume. (One (1) part water: two (2) parts filler coat). In no case may the quantity of water in the finish coat emulsion mix exceed fifty percent (50%) of the emulsion volume. (One (1) part water: one (1) part finish coat). Water shall be potable and its temperature above forty degrees F (40°F) upon addition to the emulsions.~~

H. The base vehicle for the finish coat shall be an acrylic polymer dispersed in water and which has the ability to withstand extremes in temperature and general weathering. The film former shall provide a non-skid surface upon drying and under all weather conditions. Pigment dispersions in the color coating are to be of the best quality chrome oxides so as to obtain a permanent true color. The coating shall contain no material, which will cause cracking due to extremes in temperatures and is to be factory mixed and consistent in color. It shall be a one hundred percent (100%) acrylic emulsion containing no alkyds, butadiene styrene, or vinyls and shall be thinned with water. It shall not chalk or discolor any equipment.

I. The finished surface shall be smooth and uniform, true to required grade and cross section, and free of depressions, ridges, or other irregularities.

PART 3 - EXECUTION

3.01 COLOR SEALCOAT

B. The Contractor shall furnish and apply to the approved pavements so designated on the plans: one (1) coat of concrete preparer, **patch binder, one (1) primer coat,** ~~two (2) filler coats~~ **one (1) filler coat** and ~~one (1) finish coat~~ **three (3) finish coats** of acrylic color emulsion coating.

C. Prior to application of the ~~sealer~~ **concrete preparer** coat, all dirt, sand, dust, **oil,** and ~~other~~ loose material shall be cleaned from the paved areas to be covered, by sweeping and pressure washing with water. All surfaces shall be dry prior to starting any color seal coating process. The Contractor shall take special precautions to assure that existing pavements are thoroughly cleaned and ~~that all cracks or joints in existing~~ **no cracks exist in new** pavements ~~are repaired~~ in conformance with these specifications and to the satisfaction of the Owner. Limits or areas to be color coated shall be taped with minimum two (2) inch wide tape true as to alignment prior to application of the color coating material.

D. Concrete preparer shall be applied in accordance with manufacturer's recommendations, see manufacturer's application specifications.

E. The patch binder shall be applied in accordance with manufacturer's recommendations, see manufacturer's application specifications. Apply tack coat under patch binder per manufacturer's recommendation.

F. The one (1) primer coat shall be applied in accordance with manufacturer's recommendations, see manufacturer's application specifications.

~~D.~~**G.** The ~~two (2) filler coats~~ **one (1) filler coat** shall be applied ~~so that both coats are of a total quantity and~~ with a uniform spread at the rate of one (1) gallon per each one hundred (100) square feet of surface area**, see manufacturer's application specifications**. Additional filler coating material is to be used if necessary to complete the court surfaces satisfactory to the Supervisor. ~~The first coat shall be applied length-wise of the splash pad and the second coat cross-wise of the splash pad.~~

~~E.~~**H.** After the filler coat applications have been completed and approved, apply ~~one (1)~~ **three (3)** acrylic color emulsion ~~coating~~ **coats** to the properly prepared surfaces with a uniform spread at the rate of ~~one (1) gallon per each two hundred (200) square feet of surface area~~ **minimum 0.10 gallons per each square yard, prior to any dilution.** The color emulsion coating shall be California Products Company's ~~"Plexichrome"~~ **"Fortified Plexipave"** or an approved equal emulsion product. ~~Colors shall match those of the Plexipave filler coats. The Plexichrome shall be applied lengthwise of the court with a wide type pushbroom.~~

~~F.~~**I.** The entire system of one (1) concrete preparer, **patch binder, one (1) primer coat,** ~~two (2) filler coats~~ **one (1) filler coat,** and ~~one (1) finish coat~~ **three (3) finish coats** shall be applied with approved squeegees and hair-type pushbrooms,

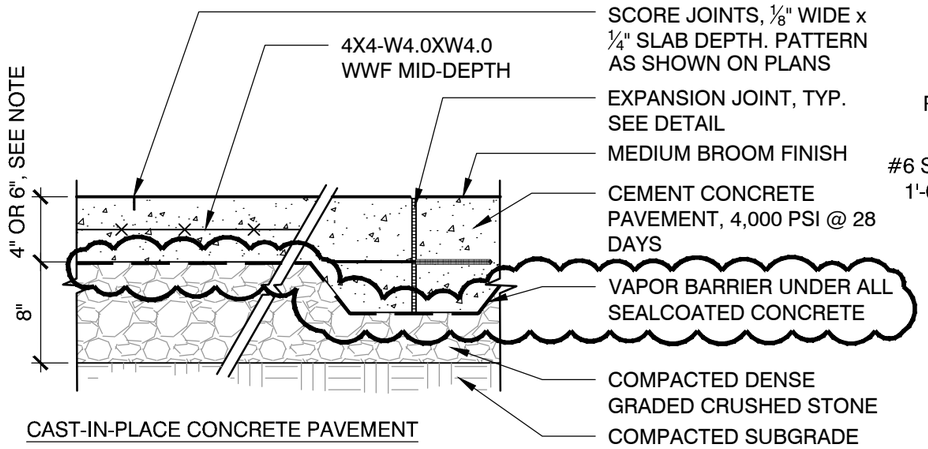
respectively. The material shall be thoroughly mixed by mechanical agitation and all work shall be done in a thorough and workmanlike manner. The emulsion shall be thoroughly stirred in its container as received, by stationery bucket power mixer, so that a creamy, smooth consistency of all the emulsion in the container is assured for ready application. The entire work of color coat surfacing shall be done in accordance with the recommendations of the manufacturer's representative**, see manufacturer's application specifications**. Special care shall be taken so as to allow none of the material to spatter or flow beyond the perimeter of areas to be covered. The sealer, filler coats and finish coat shall not be applied in foggy or rainy weather, or when ambient temperature is below forty-five degrees F (45°F), nor shall they be applied if such conditions are anticipated during the next forty-eight (48) hours.

~~G.~~**J.** The finished surface shall be smooth and uniform, true to required grade and cross section, and free of depressions, ridges, or other irregularities.

PART IV - GUARANTEE/WARRANTY

4.01 The pavement and coatings shall be guaranteed against defects in workmanship or quality for a period of one (1) year after final acceptance. The Contractor shall replace, repair, recoat or otherwise make satisfactory to the Owner any unacceptable pavement and or coating at no additional cost to the Owner.

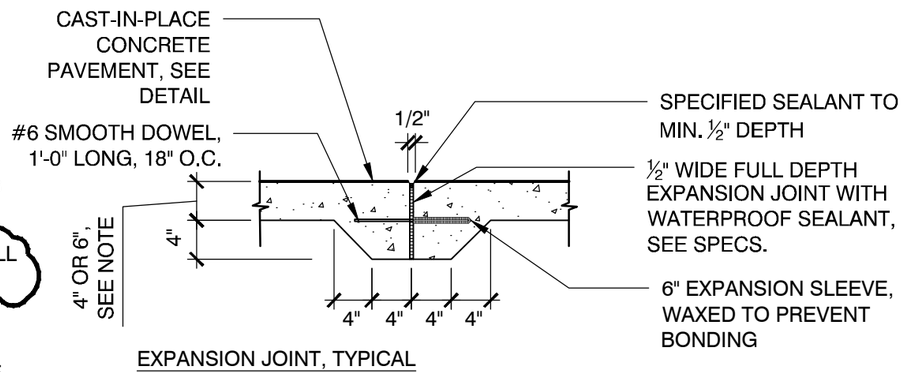
END OF SECTION 321216
COLOR SEALCOAT
REVISED



CAST-IN-PLACE CONCRETE PAVEMENT

CAST-IN-PLACE CONCRETE NOTES:

1. CAST-IN-PLACE CONCRETE PAVEMENT AT DECK TO BE 4" THICK
2. CAST-IN-PLACE CONCRETE PAVEMENT AT SPLASH PAD TO BE 6" THICK



EXPANSION JOINT, TYPICAL

EXPANSION JOINT INSTALLATION NOTES:

1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18" O.C.) WITHIN CONCRETE PAVING AND BETWEEN NEW CONCRETE PAVING AND EXISTING CONCRETE PAVING TO REMAIN.
2. DELETE EXPANSION SLEEVE AND DOWEL WHERE JOINT ABUTS WALL, CURBS, OR OTHER VERTICAL SURFACES, UNLESS OTHERWISE NOTED.
3. EXPANSION JOINTS MAX. 25'-0" O.C. UNLESS SHOWN OTHERWISE.
4. ALL SCORE JOINTS SHALL BE SAW CUT.

1 CAST-IN-PLACE CONCRETE PAVEMENT

SCALE: N.T.S.

Weston & Sampson

85 Devonshire Street,
3rd Floor, Boston, MA 02109
617.412.4480 800.SAMPSON
www.westonandsampson.com

GREEN ST PLAYGROUND MUNICIPAL SPLASH PAD

REVISIONS TO CAST-IN-PLACE CONCRETE PAVEMENT

Drawn by: TZ

Reviewed by: MS

Scale: 1" = 1'-0"
03/11/2024
UPDATED 03/11/2024

SK-1