



INVITATION FOR BIDS

SOLICITATION NO. 18-024

Issue Date: November 23, 2017
Lower Concourse Domestic Water Re-Piping

ORIOLE PARK AT CAMDEN YARDS

NOTICE TO BIDDERS

NOTICE

A Prospective Bidder that has received this document from the MSA's website or <https://emaryland.buyspeed.com/bsol/>, or that has received this document from a source other than the Procurement Officer, and that wishes to assure receipt of any changes or additional materials related to this IFB, should immediately contact the Procurement Officer and provide the Prospective Bidder's name and mailing address so that addenda to the IFB or other communications can be sent to the Prospective Bidder.

MDD2831035919 (eMaryland Marketplace Bid Number)

Minority Business Enterprises Are Encouraged to Respond to this Solicitation

**MARYLAND STADIUM AUTHORITY
NOTICE TO VENDORS**

To help us improve the quality of MSA solicitations and make our procurement process more responsive and business-friendly, we ask that you take a few minutes to complete this form. Please email (sfox@mdstad.com) or fax (410-333-1888) this completed form to the attention of Sandra Fox. Thank you for your assistance.

**Title: Lower Concourse Domestic Water Re-Piping
Solicitation No: 18-024**

1. If you have chosen not to respond to this solicitation, please indicate the reason(s) below:

- Other commitments preclude our participation at this time.
- The subject of the solicitation is not something we ordinarily provide.
- We are inexperienced in the work/commodities required.
- Specifications are unclear, too restrictive, etc. (Explain in REMARKS section.)
- The scope of work is beyond our present capacity.
- Doing business with the State of Maryland is simply too complicated. (Explain in REMARKS section.)
- We cannot be competitive. (Explain in REMARKS section.)
- Time allotted for completion of the Bid/Proposal is insufficient.
- Start-up time is insufficient.
- Bonding/Insurance requirements are restrictive. (Explain in REMARKS section.)
- Bid/Proposal requirements (other than specifications) are unreasonable or too risky. (Explain in REMARKS section.)
- MBE requirements. (Explain in REMARKS section.)
- Prior MSA contract experience was unprofitable or otherwise unsatisfactory. (Explain in REMARKS section.)
- Payment schedule too slow.
- Other: _____

2. If you have submitted a response to this solicitation, but wish to offer suggestions or express concerns, please use the REMARKS section below. (Attach additional pages as needed.)

REMARKS:

Vendor Name: _____ Date: _____

Contact Person: _____ Phone (____) _____ - _____

Address: _____

E-mail Address: _____

MARYLAND STADIUM AUTHORITY
Oriole Park at Camden Yards
IFB KEY INFORMATION SUMMARY SHEET

Invitation for Bids: Lower Concourse Domestic Water Re-Piping

Solicitation Number: 18-024

IFB Issue Date: November 22, 2017

IFB Issuing Office: Maryland Stadium Authority

Procurement Officer: Sandra Fox
Maryland Stadium Authority
333 West Camden Street, Suite 500
Baltimore, Maryland 21201
Phone: (410) 333-1560 Fax: (410) 333-1888
e-mail: sfox@mdstad.com

Contract Monitor Matthew Kastel

Bids are to be sent to: Maryland Stadium Authority
333 West Camden Street, Suite 500
Baltimore, Maryland 21201
Attention: Sandra Fox, Procurement Officer

Pre-Bid Conference: December 5, 2017 at 11:00 a.m. (Local Time)
Maryland Stadium Authority
333 West Camden Street, Suite 500
Baltimore, Maryland 21201

Closing Date and Time: December 21, 2017 by 11:30 a.m. (Local Time)

MBE Goal 15% of Total Dollar Value of Contract with no subgoals

SBR Procurement No

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SECTION 1 - GENERAL INFORMATION

1.1 Summary Statement

- 1.1.1 The Maryland Stadium Authority is issuing this Invitation for Bids (IFB) to obtain a highly qualified contractor to provide Lower Concourse Domestic Water Re-Piping for Oriole Park at Camden Yards (“OPCY”) (as described in more detail in SECTION 3 and Exhibits I-V).
- 1.1.2 MSA intends to make a single award as a result of this IFB.
- 1.1.3 A Bidder, either directly or through its subcontractor(s), must be able to provide all services and meet all of the requirements requested in this solicitation and the successful Bidder (the Contractor) shall remain responsible for Contract performance regardless of subcontractor participation in the work.

1.2 Abbreviations and Definitions

For purposes of this IFB, the following abbreviations or terms have the meanings indicated below:

- a. **Authority** – The MSA members.
- b. **Baltimore Orioles** – Baltimore Orioles Limited Partnership.
- c. **Intentionally Omitted.**
- d. **Bid** – A statement of price offered by a Bidder in response to an IFB.
- e. **Bidder** – An entity that submits a Bid in response to this IFB.
- f. **Business Day(s)** – The official working days of the week to include Monday through Friday. Official working days exclude State Holidays (see definition of “Normal State Business Hours” below).
- g. **COMAR** – Code of Maryland Regulations available on-line at www.dsd.state.md.us.
- h. **Contract** – The Contract awarded to the successful Bidder pursuant to this IFB. The Contract will be in the form of **Attachment A**.
- i. **Contract Administrator (CA)** - The MSA representative for this Contract that is primarily responsible for Contract administration functions, including issuing written direction, compliance with terms and conditions, monitoring this Contract to ensure compliance with the terms and conditions of the Contract and to assist the CM in achieving on budget/on time/on target (e.g., within scope) completion of the Contract requirements. MSA may change the CA at any time by written notice to the Contractor.
- i. **Contract Commencement** - The date the Contractor is authorized to proceed with the work following any required approvals of the Contract, including approval by the Authority or Board of Public Works, if such approval is required.

- j. **Contract Monitor (CM)** – The MSA representative for this Contract who is primarily responsible for Contract administration functions, including issuing written direction, invoice approval, monitoring this Contract to ensure compliance with the terms and conditions of the Contract, monitoring MBE compliance, and achieving completion of the Contract on budget, on time, and within scope.
- k. **Contractor** – The selected Bidder that is awarded a Contract by the MSA.
- l. **Contractor’s Contractor Administrator** - Person designated at the time of contract award by the Contractor as the single point of contact for the MSA with the authority and knowledge to resolve contract issues.
- m. **eMM** – eMaryland Marketplace (see IFB Section 1.7).
- n. **Intentionally Omitted.**
- o. **Invitation for Bids (IFB)** – This Invitation for Bids solicitation issued by MSA, Solicitation Number 18-024, including any addenda.
- p. **Local Time** – Time in the Eastern Time Zone as observed by the State. Unless otherwise specified, all stated times shall be Local Time, even if not expressly designated as such.
- q. **MSA** – Maryland Stadium Authority.
- r. **Minority Business Enterprise (MBE)** – Any legal entity certified as defined at COMAR 21.01.02.01B(54) which is certified by the Maryland Department of Transportation under COMAR 21.11.03.
- s. **Normal Business Hours** - Normal business hours are 8:00 a.m. – 5:00 p.m. Monday through Friday.
- t. **Notice to Proceed (NTP)** – A written notice from the Procurement Officer that, subject to the conditions of the Contract, work under the Contract is to begin as of a specified date.
- u. **Procurement Officer** – Prior to the award of any Contract, the sole point of contact in the MSA for purposes of this solicitation. After Contract award, the Procurement Officer or designate representative has responsibilities as detailed in the Contract (Attachment A), including being the only MSA representative who can authorize changes to the Contract. MSA may change the Procurement Officer at any time by written notice to the Contractor.
- v. **Procurement Policies and Procedures** – Procurement Policies and Procedures means the rules adopted by the Authority that govern the procurement process that is to be followed by MSA. The Procurement Policies and Procedures are available for review on MSA’s website at www.mdstad.com.
- w. **State** – The State of Maryland.

- x. **Total Bid Price** - The Bidder's total price for services in response to this solicitation, included in the Bid in Attachment F – Bid Form, and used in determining the recommended awardee (see IFB Section 1.14).

1.3 Contract Type

The Contract resulting from this solicitation shall be fixed prices as specified on the Bid Form Price Sheet.

1.4 Contract Duration

- 1.4.1 The Contract that results from this solicitation shall commence as of the earlier of: the issuance by the Procurement Officer of a Notice to Proceed or the date the Contract is signed by the MSA Executive Director following any required approvals of the Contract, including approval by the Authority, if such approval is required (“Contract Commencement”).
- 1.4.2 All work must be completed on or before February 22, 2018. This schedule must be met unless MSA, at its sole discretion, determines the timing restrictions set forth herein should be reasonably modified, in writing, to meet unanticipated future conditions.
- 1.4.3 The Contractor's obligations to pay invoices to subcontractors that provided services during the Contract term, as well as the audit, confidentiality, document retention, and indemnification obligations of the Contract (see Attachment A) shall survive expiration or termination of the Contract and continue in effect until all such obligation are satisfied.

1.5 Procurement Officer, Contract Administrator and Contract Monitors

- 1.5.1 The sole point of contact for purposes of this solicitation prior to the award of any Contract is the Procurement Officer at the address listed below:

Sandra Fox, Procurement Officer
Maryland Stadium Authority
Baltimore, Maryland 21201
Office Phone: (410) 223-4130
Email: sfox@mdstad.com

The MSA may change the Procurement Officer at any time by written notice.

- 1.5.2 The Contract Administrator/ is:

Jeff Provenzano, Vice President of Facilities
Maryland Stadium Authority
333 West Camden Street, Suite 500
Baltimore, Maryland 21230
T-410-230-8008
Email: Jkp@mdstad.com

1.5.3 For OPCY, the MSA Contract Monitor is:

Matthew Kastel, Manager of Stadium Operations
Office of Facilities Management
555 Russell Street, Suite A
Baltimore, MD 21230
T-410-347-9317 F-410-539-7640
Email: mkastel@mdstad.com

The MSA may change the Contract Administrator / Contract Monitors at any time by written notice to the Contractor.

1.6 Pre-Bid Conference

A Pre-Bid Conference (the Conference) will be held on **December 5, 2017, beginning at 11:00 a.m. (Local Time)**, Office of MSA, 333 West Camden Street, Suite 500, Baltimore, MD 21230. All prospective Bidders are encouraged to attend in order to facilitate better preparation of their Bids.

The Conference will be summarized. As promptly as is feasible subsequent to the Conference, a summary of the Conference and all questions and answers known at that time will be distributed to all prospective Bidders known to have received a copy of this IFB. This summary, as well as the questions and answers, will also be posted on eMaryland Marketplace. See IFB Section 1.8.

In order to assure adequate seating and other accommodations at the Conference, please e-mail, mail, or fax to (410-333-1888) the Pre-Bid Conference Response Form Attachment E to the attention of the Procurement Officer **no later than 4:00 p.m. Local Time on December 4, 2017.** The Pre-Bid Conference Response Form is included as **Attachment E** to this IFB. In addition, if there is a need for sign language interpretation and/or other special accommodations due to a disability, please notify the Procurement Officer **no later than December 3, 2017.** MSA will make a reasonable effort to provide such special accommodation.

- All prospective Bidders are encouraged to attend in order to facilitate better preparation of their Bids.

1.7 eMarylandMarketplace

Each Bidder is requested to indicate its eMaryland Marketplace (eMM) vendor number in the Transmittal Letter (cover letter) submitted at the time of its Bid submission to this IFB.

eMM is an electronic commerce system administered by the Maryland Department of General Services. In addition to using the MSA website (www.mdstad.com and click on contracting opportunities) and possibly other means for transmitting the IFB and associated materials, the solicitation and summary of the Pre-Bid Conference, Bidder questions and the Procurement Officer's responses, addenda, and other solicitation-related information will be provided via eMM.

In order to receive a contract award, a vendor must be registered on eMM. Registration is free. Go to <https://emaryland.buyspeed.com/bsol/login.jsp>, click on “Register” to begin the process, and then follow the prompts.

1.8 Questions

Written questions from prospective Bidders will be accepted by the Procurement Officer prior to the Conference. If possible and appropriate, such questions will be answered at the Conference. (No substantive question will be answered prior to the Conference.) Questions to the Procurement Officer shall be submitted via e-mail to the following e-mail address: sfox@mdstad.com. Please identify in the subject line the Solicitation Number and Title. Questions, both oral and written, will also be accepted from prospective Bidders attending the Conference. If possible and appropriate, these questions will be answered at the Conference.

Questions will also be accepted subsequent to the Conference and should be submitted to the Procurement Officer (see above email address) in a timely manner prior to the Bid due date. **Questions are requested to be submitted at least five (5) days prior to the Bid due date.** The Procurement Officer, based on the availability of time to research and communicate an answer, shall decide whether an answer can be given before the Bid due date. Time permitting, answers to all substantive questions that have not previously been answered, and are not clearly specific only to the requestor, will be distributed to all vendors that are known to have received a copy of the IFB in sufficient time for the answer to be taken into consideration in the Bid.

1.9 Procurement Method

This Contract will be awarded in accordance with the Competitive Sealed Bidding method under MSA’s Procurement Policies and Procedures.

1.10 Bids Due (Closing) Date and Time

Bids, in the number and form set forth in Section 4.4 “Required Bid Submissions,” must be received by the Procurement Officer at the address listed on the Key Information Summary Sheet, **no later than 11:30 a.m. (Local Time) on December 21, 2017 in order** be considered.

Requests for extension of this time or date will not be granted. Bidders mailing Bids should allow sufficient mail delivery time to ensure timely receipt by the Procurement Officer. Except as provided in COMAR 21.05.02.10, Bids received after the due date and time listed in this section will not be considered.

Bids may be modified or withdrawn by written notice received by the Procurement Officer before the time and date set for the opening.

Bids may not be submitted by e-mail or facsimile.

Vendors not responding to this solicitation are requested to submit the “Notice to Vendors” form, which includes company information and the reason for not responding (e.g., too busy, cannot meet mandatory requirements, etc.). This form is located in the IFB immediately following the Title Page (page ii).

1.11 Multiple or Alternate Bids

Multiple and/or alternate Bids will not be accepted unless otherwise invited in the solicitation documents.

1.12 Opening and Recording of Bids

1.12.1 Opening and Recording. Bids and timely modifications to Bids shall be opened publicly, at the time, date and place designated in the IFB. The name of each Bidder, the total Bid price, and such other information as is deemed appropriate shall be read aloud or otherwise made available.

1.12.2 The Bid Opening shall occur at the location of MSA, 333 West Camden Street, Suite 500 Baltimore, MD 21201. The name of each Bidder, its Total Bid Price, and such other information as is deemed appropriate, shall be read aloud or otherwise made available.

1.13 Confidentiality of Bids

The Bids shall be tabulated or a Bid abstract made. The opened Bids shall be available for public inspection at a reasonable time after Bid opening, but in any case before contract award, except to the extent the Bidder designates trade secrets or other proprietary data to be confidential as set forth in this solicitation. Material so designated as confidential shall accompany the Bid and shall be readily separable from the Bid in order to facilitate public inspection of the non-confidential portion of the Bid, including the Total Bid Price.

For requests for information made under the Public Information Act (PIA), the Procurement Officer shall examine the Bids to determine the validity of any requests for nondisclosure of trade secrets and other proprietary data identified in writing. Nondisclosure is permissible only if approved by the Office of the Attorney General.

1.14 Award Basis

The Contract shall be awarded to the responsible Bidder submitting a responsive Bid with the most favorable Total Bid Price for providing the goods and services as specified in this IFB. The most favorable Total Bid Price will be the lowest price total on **Attachment F** - Bid Form

1.15 Tie Bids

Tie Bids will be decided pursuant to COMAR 21.05.02.14.

1.16 Duration of Bid

Bids submitted in response to this IFB are irrevocable for 120 days following the closing date of the Bids. This period may be extended at the Procurement Officer's request only with the Bidder's written agreement.

1.17 Revisions to the IFB

If it becomes necessary to revise this IFB before the due date for Bids, the MSA shall endeavor to provide addenda to all prospective Bidders that were sent this IFB or which are otherwise known by the Procurement Officer to have obtained this IFB. In addition, addenda to the IFB will be posted on the MSA's procurement web page and through eMM. It remains the responsibility of all prospective Bidders to check all applicable websites for any addenda issued prior to the submission of Bids.

Acknowledgment of the receipt of all addenda to this IFB issued before the Bid due date shall be included in the Transmittal Letter accompanying the Bidder's Bid. Failure to acknowledge receipt of an addendum does not relieve the Bidder from complying with the terms, additions, deletions, or corrections set forth in the addendum, and may cause the Bid to be rejected as being non-responsive to the requirements of the IFB.

1.18 Cancellations Acceptance, Minor Irregularities and Discussions

The MSA reserves the right to cancel this IFB, accept or reject any and all Bids, in whole or in part, received in response to this IFB, to waive or permit cure of minor irregularities, and to conduct discussions with all qualified or potentially qualified Bidders in any manner necessary to serve the best interests of MSA. The MSA also reserves the right, in its sole discretion, to award a Contract based upon the bids received without prior discussions.

1.19 Incurred Expenses

The MSA will not be responsible for any costs incurred by any Bidder in preparing and submitting a Bid or in performing any other activities related to submitting a Bid in response to this solicitation.

1.20 Protest/Disputes

Any protest or dispute related, respectively, to this solicitation or the resulting Contract shall be subject to the provisions of MSA's Procurement Policies and Procedures.

1.21 Bidder Responsibilities

The selected Bidder shall be responsible for rendering services for which it has been selected as required by this IFB. All subcontractors shall be identified and a complete description of their role relative to the Bid shall be included in the Bidder's Bid. If applicable, subcontractors utilized in meeting the established MBE participation goal(s) for this solicitation shall be identified as provided in the appropriate Attachment(s) of this IFB.

If a Bidder that seeks to perform or provide the services required by this IFB is the subsidiary of another entity, all information submitted by the Bidder, such as but not limited to, references, financial reports, or experience and documentation (e.g. insurance policies, bonds, letters of credit) used to meet minimum qualifications, if any, shall pertain exclusively to the Bidder, unless the parent organization will guarantee the performance of the subsidiary. If applicable, the Bidder's Bid shall contain an explicit statement that the parent organization will guarantee the performance of the subsidiary.

1.22 Substitution of Personnel

If the solicitation requires that a particular individual or personnel be designated by the Bidder to work on the Contract, any substitution of personnel after the Contract has commenced must be approved in writing by the Contract Monitor prior to the substitution. If the Contractor substitutes personnel without the prior written approval of the Contract Monitor, the Contract may be terminated for default which shall be in addition to, and not in lieu of, the MSA's remedies under the Contract or which otherwise may be available at law or in equity.

1.23 Mandatory Contractual Terms

By submitting a Bid in response to this IFB, a Bidder, if selected for award, shall be deemed to have accepted the terms and conditions of this IFB and the Contract, attached herein as **Attachment A**. Any exceptions to this IFB or the Contract must be raised prior to Bid submission. **Changes to the solicitation, including the Bid Form or Contract, made by the Bidder may result in Bid rejection.**

1.24 Bid/Proposal Affidavit

A Bid submitted by a Bidder must be accompanied by a completed Bid/Proposal Affidavit. A copy of this Affidavit is included as **Attachment B** of this IFB.

1.25 Contract Affidavit

All Bidders are advised that if a Contract is awarded as a result of this solicitation, the successful Bidder will be required to complete a Contract Affidavit. A copy of this Affidavit is included as **Attachment C** of this IFB. This Affidavit must be provided within five (5) Business Days of notification of proposed Contract award.

1.26 Compliance with Laws/Arrearages

By submitting a Bid in response to this IFB, the Bidder, if selected for award, agrees that it will comply with all Federal, State, and local laws applicable to its activities and obligations under the Contract.

By submitting a response to this solicitation, each Bidder represents that it is not in arrears in the payment of any obligations due and owing the State, including the payment of taxes and employee benefits, and that it shall not become so in arrears during the term of the Contract if selected for Contract award.

1.27 Verification of Registration and Tax Payment

Before a business entity can do business in the State it must be registered with the State MSA of Assessments and Taxation (SDAT). SDAT is located at State Office Building, Room 803, 301 West Preston Street, Baltimore, Maryland 21201. The SDAT website is <http://sdatcert3.resiusa.org/ucc-charter/>.

It is strongly recommended that any potential Bidder complete registration prior to the due date for receipt of Bids. A Bidder's failure to complete registration with SDAT may disqualify an otherwise successful Bidder from final consideration and recommendation for Contract award.

1.28 False Statements

Bidders are advised that Md. Code Ann., State Finance and Procurement Article, § 11-205.1 provides as follows:

1.28.1 In connection with a procurement contract a person may not willfully:

- (a) Falsify, conceal, or suppress a material fact by any scheme or device;
- (b) Make a false or fraudulent statement or representation of a material fact; or
- (c) Use a false writing or document that contains a false or fraudulent statement or entry of a material fact.

1.28.2 A person may not aid or conspire with another person to commit an act under subsection (1) of this section.

1.28.3 A person who violates any provision of this section is guilty of a felony and on conviction is subject to a fine not exceeding \$20,000 or imprisonment not exceeding five years or both.

1.29 Payments by Electronic Funds Transfer

By submitting a response to this solicitation, the Bidder/Offeror agrees to accept payments by electronic funds transfer (EFT) unless the State Comptroller's Office grants an exemption. Payment by EFT is mandatory for contracts exceeding \$200,000. The selected Bidder/Offeror shall register using the COT/GAD X-10 Vendor Electronic Funds (EFT) Registration Request Form. Any request for exemption must be submitted to the State Comptroller's Office for approval at the address specified on the COT/GAD X-10 form, must include the business identification information as stated on the form, and must include the reason for the exemption. The COT/GAD X-10 form may be downloaded from the Comptroller's website at: http://comptroller.marylandtaxes.com/Government_Services/State_Accounting_Information/Static_Files/APM/X-1020130407.pdf

1.30 Prompt Payment Policy

This procurement and the Contract(s) to be awarded pursuant to this solicitation are subject to the Prompt Payment Policy Directive issued by the Governor's Office of Minority Affairs (GOMA) and dated August 1, 2008. Promulgated pursuant to Md. Code Ann., State Finance and Procurement Article, §§ 11-201, 13-205(a), and Title 14, Subtitle 3, and COMAR 21.01.01.03 and 21.11.03.01, the Directive seeks to ensure the prompt payment of all subcontractors on non-construction procurement contracts. The Contractor must comply with the prompt payment requirements outlined in the Contract, Section 31 "Prompt Payment" (see **Attachment A**). Additional information is available on GOMA's website at: http://goma.maryland.gov/Legislation%20Docs/PROMPTPAYMENTFAQs_000.pdf

1.31 Electronic Procurements Authorized

- A. MSA may conduct procurement transactions by electronic means, including the solicitation, bidding, award, execution, and administration of a contract, as provided in Md. Code Ann., Maryland Uniform Electronic Transactions Act, Commercial Law Article, Title 21.
- B. Participation in the solicitation process on a procurement contract for which electronic means has been authorized shall constitute consent by the Bidder/Offeror to conduct by electronic means all elements of the procurement of that Contract which are specifically authorized under the solicitation or the Contract.
- C. “Electronic means” refers to exchanges or communications using electronic, digital, magnetic, wireless, optical, electromagnetic, or other means of electronically conducting transactions. Electronic means includes facsimile, e-mail, internet-based communications, electronic funds transfer, specific electronic bidding platforms (e.g., <https://emaryland.buyspeed.com/bsol/>), and electronic data interchange.
- D. In addition to specific electronic transactions specifically authorized in other sections of this solicitation (e.g., § 1.30 “Payments by Electronic Funds Transfer”) and subject to the exclusions noted in section E of this subsection, the following transactions are authorized to be conducted by electronic means on the terms described:
 - 1. The Procurement Officer may conduct the procurement using eMM, e-mail, or facsimile to issue:
 - (a) the solicitation (e.g., the IFB/RFP);
 - (b) any amendments;
 - (c) pre-Bid/Proposal conference documents;
 - (d) questions and responses;
 - (e) communications regarding the solicitation or Bid/Proposal to any Bidder/Offeror or potential Bidder/Offeror;
 - (f) notices of award selection or non-selection; and
 - (g) the Procurement Officer’s decision on any Bid protest or Contract claim.
 - 2. A Bidder/Offeror or potential Bidder/Offeror may use e-mail or facsimile to:
 - (a) ask questions regarding the solicitation;
 - (b) reply to any material received from the Procurement Officer by electronic means that includes a Procurement Officer’s request or direction to reply by e-mail or facsimile, but only on the terms specifically approved and directed by the Procurement Officer;
 - (c) submit a "No Bid/Proposal Response" to the solicitation.
 - 3. The Procurement Officer, the Contract Monitor, and the Contractor may conduct day-to-day Contract administration, except as outlined in Section E of this subsection utilizing e-mail, facsimile, or other electronic means if authorized by the Procurement Officer or Contract Monitor.

- E. The following transactions related to this procurement and any Contract awarded pursuant to it are *not authorized* to be conducted by electronic means:
1. submission of initial Bids or Proposals;
 2. filing of Bid Protests;
 3. filing of Contract Claims;
 4. submission of documents determined by the MSA to require original signatures (e.g., Contract execution, Contract modifications, etc.); or
 5. any transaction, submission, or communication where the Procurement Officer has specifically directed that a response from the Contractor or Bidder/Offeror be provided in writing or hard copy.
- F. Any facsimile or e-mail transmission is only authorized to the facsimile numbers or e-mail addresses for the identified person as provided in the solicitation, the Contract, or in the direction from the Procurement Officer or Contract Monitor.

1.32 MBE and Prevailing Wage Compliance System

As part of MSA's commitment to assist firms in complying with legal and contractual requirements, MSA maintains a web-based MBE and prevailing wage compliance system. The system was designed to provide various work-flow automation features that improve the project reporting process. This system will monitor contract compliance for all Program contracts. The prime firm, its first tier contractors, and all MBE participation subcontractors awarded contracts will be required to use the web-based system to submit project information including, but not limited to, certification of payments made and received and certified payroll records (if the contract includes prevailing wage and/or workforce development requirements). MSA may require additional information related to the contract to be provided electronically through the system at any time, during, or after contract award.

1.33 Indemnification/Liability

- 1.33.1 The Contractor shall indemnify and save harmless MSA, the Baltimore Orioles Limited Partnership ("Orioles") and the State of Maryland, its agents and employees, against and from all suits, actions, claims, demands, damages, losses, expenses and/or costs of every kind and description to which each may be subjected by reason of injury (including death) to persons or damage property, resulting from Contractor's performance of work specified herein or performed under this Contract, or any part thereof, or by or on account of any act or omission of the Contractor, its agents or employees, or be against, suffered or sustained by MSA, the Baltimore Orioles and the State of Maryland, its agents and employees, or be against, suffered or sustained by other corporations and persons to whom MSA, the Orioles and the State of Maryland, its agents and employees, may become liable therefore, except that Contractor shall not indemnify and save harmless the MSA, the Orioles and the State of Maryland, its agents and employees, against and from all suits, actions, claims, demands, damages, losses, expenses and/or costs arising from or due to the negligence of the MSA, the Orioles and the State of Maryland.

1.34 Living Wage Requirements

Living Wage Requirements are not applicable for this contract.

1.35 Minority Business Enterprise Goals

1.35.1 Establishment of Goal and Subgoals.

An overall MBE subcontractor participation goal of **15%** of the total contract dollar amount has been established for this procurement with no subgoals.

Notwithstanding any subgoals established above, the Contractor is encouraged to use a diverse group of subcontractors and suppliers from any/all of the various MBE classifications to meet the remainder of the overall MBE participation goal.

1.35.2 **Attachments D-1 to D-5** – The following Minority Business Enterprise participation instructions, and forms are provided to assist Bidders/Offerors:

Attachment D-1A	MBE Utilization and Fair Solicitation Affidavit & MBE Participation Schedule (must be submitted with Bid)
Attachment D-1B	Waiver Guidance
Attachment D-1C	Good Faith Efforts Documentation to Support Waiver Request
Attachment D-2	Outreach Efforts Compliance Statement
Attachment D-3A	MBE Subcontractor Project Participation Certification
Attachment D-3B	MBE Prime Project Participation Certification

1.35.3 A Bidder/Offeror shall include with its Bid/Proposal a completed MBE Utilization and Fair Solicitation Affidavit (**Attachment D-1A**) whereby:

- (a) The Bidder/Offeror acknowledges the certified MBE participation goal and commits to make a good faith effort to achieve the goal and any applicable subgoals, or requests a waiver, and affirms that MBE subcontractors were treated fairly in the solicitation process; and
- (b) The Bidder/Offeror responds to the expected degree of MBE participation, as stated in the solicitation, by identifying the specific commitment of certified MBEs at the time of Bid/Proposal submission. The Bidder/Offeror shall specify the percentage of total contract value associated with each MBE subcontractor identified on the MBE participation schedule, including any work performed by the MBE Prime (including a Prime participating as a joint venture) to be counted towards meeting the MBE participation goals.
- (c) A Bidder/Offeror requesting a waiver should review Attachment D-1B (Waiver Guidance) and D-1C (Good Faith Efforts Documentation to Support Waiver Request) prior to submitting its request.

If a Bidder/Offeror fails to submit a completed Attachment D-1A with the Bid/Proposal as required, the Procurement Officer shall determine that the Bid is non-responsive or the Proposal is not reasonably susceptible of being selected for award.

- 1.35.4 Bidders/Offerors are responsible for verifying that each MBE (including any MBE Prime and/or MBE Prime participating in a joint venture) selected to meet the goal and any subgoals and subsequently identified in **Attachment D-1A** is appropriately certified and has the correct NAICS codes allowing it to perform the committed work.
- 1.35.5 Within ten (10) Business Days from notification that it is the recommended awardee or from the date of the actual award, whichever is earlier, the Bidder/Offeror must provide the following documentation to the Procurement Officer.
- (a) Outreach Efforts Compliance Statement (**Attachment D-2**).
 - (b) MBE Subcontractor/Prime Project Participation Certification (**Attachment D-3A/3B**).
 - (c) If the recommended awardee believes a waiver (in whole or in part) of the overall MBE goal or of any applicable subgoal is necessary, the recommended awardee must submit a fully-documented waiver request that complies with COMAR 21.11.03.11.
 - (d) Any other documentation required by the Procurement Officer to ascertain Bidder/Offeror responsibility in connection with the certified MBE subcontractor participation goal or any applicable subgoals.

If the recommended awardee fails to return each completed document within the required time, the Procurement Officer may determine that the recommended awardee is not responsible and, therefore, not eligible for Contract award. If the Contract has already been awarded, the award is voidable.

- 1.35.6 A current directory of certified MBEs is available through the Maryland State Department of Transportation (MDOT), Office of Minority Business Enterprise, 7201 Corporate Center Drive, Hanover, Maryland 21076. The phone numbers are (410) 865-1269, 1-800-544-6056, or TTY (410) 865-1342. The directory is also available on the MDOT website at <http://mbe.mdot.state.md.us/directory/>. The most current and up-to-date information on MBEs is available via this website. **Only MDOT-certified MBEs may be used to meet the MBE subcontracting goals.**
- 1.35.7 The Contractor, once awarded a Contract, will be responsible for submitting or requiring its subcontractor(s) to submit the following MBE Participation information online:
- (a) Prime Contractor Paid/Unpaid MBE Invoice Report (monthly).
 - (b) MBE Prime Contractor Report, *if applicable (monthly)*
 - (c) MBE Subcontractor/Contractor Unpaid MBE Invoice Report (monthly).
- 1.35.8 A Bidder/Offeror that requested a waiver of the goal or any of the applicable subgoals will be responsible for submitting the Good Faith Efforts Documentation to Support Waiver Request (**Attachment D-1C**) and all documentation within ten (10) Business Days from notification that it is the recommended awardee or from the date of the actual award, whichever is earlier, as required in **COMAR 21.11.03.11**.

- 1.35.9 All documents, including the MBE Utilization and Fair Solicitation Affidavit & MBE Participation Schedule (**Attachment D-1A**), completed and submitted by the Bidder/Offeror in connection with its certified MBE participation commitment shall be considered a part of the resulting Contract and are hereby expressly incorporated into the Contract by reference thereto. All of the referenced documents will be considered a part of the Bid/Proposal for order of precedence purposes (see Contract – **Attachment A**, Section 2.1).
- 1.35.10 The Bidder/Offeror is advised that liquidated damages will apply in the event the Contractor fails to comply in good faith with the requirements of the MBE program and pertinent Contract provisions. (See Contract – **Attachment A**, Section 32).
- 1.35.11 As set forth in COMAR 21.11.03.12-1(D), when a certified MBE firm participates on a Contract as a Prime Contractor (including a joint-venture where the MBE firm is a partner), a procurement agency may count the distinct, clearly defined portion of the work of the contract that the certified MBE firm performs with its own work force towards fulfilling up to fifty-percent (50%) of the MBE participation goal (overall) and up to one hundred percent (100%) of not more than one of the MBE participation sub-goals, if any, established for the contract.

In order to receive credit for self-performance, an MBE Prime must list its firm in Section 4A of the MBE Participation Schedule (**Attachment D-1A**) and include information regarding the work it will self-perform. For the remaining portion of the overall goal and the sub-goals, the MBE Prime must also identify certified MBE subcontractors (see Section 4B of the MBE Participation Schedule (**Attachment D-1A**)) used to meet those goals. If dually-certified, the MBE Prime can be designated as only one of the MBE sub-goal classifications but can self-perform up to 100% of the stated sub-goal. As set forth in COMAR 21.11.03.12-1, once the Contract work begins, the work performed by a certified MBE firm, including an MBE Prime, can only be counted towards the MBE participation goal(s) if the MBE firm is performing a commercially useful function on the Contract.

1.35.12 With respect to Contract administration, the Contractor shall:

- (a) Submit to the Department’s designated representative by the 10th of the month following the reporting period:
- i. A Prime Contractor Paid/Unpaid MBE Invoice Report (online) listing any unpaid invoices, over 45 days old, received from any certified MBE subcontractor, the amount of each invoice and the reason payment has not been made; and
 - ii. (If Applicable) An MBE Prime Contractor Report (Attachment D-4B) identifying an MBE Prime’s self-performing work to be counted towards the MBE participation goals.
- (b) Include in its agreements with its certified MBE subcontractors a requirement that those subcontractors submit to the Department’s designated representative by the 10th of the month following the reporting period an MBE Subcontractor Paid/Unpaid Invoice Report (online) that identifies the Contract and lists all payments to the MBE subcontractor received from the Contractor in the preceding reporting period month, as well as any outstanding invoices, and the amounts of those invoices.

- (c) Maintain such records as are necessary to confirm compliance with its MBE participation obligations. These records must indicate the identity of certified minority and non-minority subcontractors employed on the Contract, the type of work performed by each, and the actual dollar value of work performed. Subcontract agreements documenting the work performed by all MBE participants must be retained by the Contractor and furnished to the Procurement Officer on request.
- (d) Consent to provide such documentation as reasonably requested and to provide right-of-entry at reasonable times for purposes of the State's representatives verifying compliance with the MBE participation obligations. Contractor must retain all records concerning MBE participation and make them available for State inspection for three years after final completion of the Contract.
- (e) Upon completion of the Contract and before final payment and/or release of retainage, submit a final report in affidavit form and under penalty of perjury, of all payments made to, or withheld from MBE subcontractors.

1.36 Intentionally Omitted

1.37 Conflict of Interest Affidavit and Disclosure

Bidders/Offerors shall complete and sign the Conflict of Interest Affidavit and Disclosure (**Attachment I**) and submit it with their Bid/Proposal. All Bidders/Offerors are advised that if a Contract is awarded as a result of this solicitation, the successful Contractor's personnel who perform or control work under this Contract and each of the participating subcontractor personnel who perform or control work under this Contract may be required to complete agreements substantially similar to **Attachment I** Conflict of Interest Affidavit and Disclosure. For policies and procedures applying specifically to Conflict of Interests, the Contract is governed by COMAR 21.05.08.08.

1.38 Bonding

1.38.1 Bid Security.

1.38.1.1 When the bid is in excess of \$100,000, each Bidder shall furnish a bid bond issued by a surety company approved by the State. The bid bond must be in an amount not less than 5% of the amount of the base bid and shall be submitted on the form provided by MSA (Attachment O) is required if this solicitation is in excess of \$100,000.

1.38.1.2 In lieu of submitting a Bid Bond, certified checks and cash will be acceptable, and subject to the same conditions. Additional acceptable forms of bid security are listed in COMAR 21.06.07.01.

1.38.2 Performance and/or Payment Bonds. Performance and Payment Bonds are required only when the amount of the initial award is in excess of \$100,000. Should performance and/or payment bonds be required as part of the contract, the Successful Bidder shall follow these instructions:

1.38.2.1 Prior to the award of the contract, the successful bidder shall provide MSA with executed Performance and Payment Bonds in the forms attached hereto as The premium for the bonds shall be paid by the Contractor.

1.38.2.2 The bonds shall be in the full amount of the contract.

1.38.2.3 At the direction of MSA, the Contractor may be required to increase the amount of the bonds; for such conditions, the contractor will be reimbursed by MSA in the amount of the actual increased bond cost.

1.39 General Conditions for Maintenance Contracts

1.39.1 The contract resulting from this IFB will be subject to MSA's General Conditions for Maintenance Contracts. A copy is attached hereto as **Attachment L**.

1.40 Taxes – Responsibility for Payment, Exemption, Forms to be Filed, etc.

The Contractor is responsible for, and by submitting a bid, agrees to pay all retail sales, income, real estate, sales and use, transportation and special taxes applicable to and assessable against any materials, equipment, processes and operations incident to or involved in the work. The Contractor is responsible for ascertaining and acquainting himself with such taxes and making all necessary arrangements to pay.

1.41 Tax Exemption

The State is generally exempt from federal excise taxes, and District of Columbia sales taxes and transportation taxes. Exemption certificates shall be completed upon request. Where a Contractor is required to furnish and install material in the construction or improvement of real property in the performance of a Contract, the Contractor shall pay the Maryland sales tax applicable to such material and the State's exemption does not apply.

1.42 Sustainability Policies

1.42.1 The MSA is committed to procuring all supplies, services, maintenance, construction and architect-engineer services in a manner consistent with the promotion of sound environmental practices. Moreover, Camden Yards Sports Complex has adopted certain policies and procedures in furtherance of its LEED certification endeavor. In connection therewith, all goods and services provided in response to this solicitation shall conform to the policies attached hereto as **Attachment P** as applicable.

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SECTION 2 – MINIMUM QUALIFICATIONS

2.1 Bidder Minimum Qualifications

The Bidder must complete a Contractor's Experience and Qualifications Form, Attachment G and submit it along with other documents in Sections 4.1. Bidder must provide a minimum of three (3) references of work performed of a similar nature as requested in this IFB. The Procurement Officer or representative, on behalf of MSA, may or may not contact any or all of the cited References, and in addition, may contact any other reference of choice. These Minimum Qualifications are requirements that must be met by a vendor in order to submit a Bid, including any licensures or certifications, years of experience, etc. These are not to be service requirements or deliverables under the Contract.

The Bidders must provide proof with its Bid that the following Minimum Qualifications have been satisfied:

- 2.1.1 The Bidder shall have three (3) years minimum of experience in providing the services of the type and size required in Section 3 at commercial facilities. The experience must have been within the past five (5) years. The experience officially gained prior to the formation of a corporation or other business entity may be considered when evaluating responsibility.
- 2.1.2 The Contractor must be registered to do business in the State of Maryland before a contract can be awarded and in good standing.

NOTE: A Bidder meeting the minimum requirements does not guarantee that the Bidder will be deemed responsible or have its Bid deemed acceptable.

SECTION 3 – SCOPE OF WORK

3.1 Purpose

The Maryland Stadium Authority (MSA) is issuing this IFB to obtain a highly qualified contractor to provide Lower Concourse Domestic Water Re-Piping Services at Oriole Park at Camden Yards.

All work must be completed on or before February 22, 2018

3.2 Scope of Work - Requirements

3.2.1 Contractor shall provide all labor, equipment, transportation, tools, materials, supervision, freight and services necessary to perform Lower Concourse Domestic Water Re-Piping Services at Oriole Park at Camden Yards.

3.2.2 The scope of work involves the removal of the existing galvanized domestic water piping and replacement of such with copper piping, starting at column line #26 ³/₄ and ending at column line #42/43 - Eutaw Street.

3.2.2.1 Specifically, between column lines 26 ³/₄ and 42/43 - Eutaw Street, Contractor shall:

3.2.2.1.1 Disconnect, remove and lawfully recycle of all existing galvanized domestic water piping, branch lines, nipples, and fittings connected to the main water supply. Removed material shall be recycled and proper documentation provided to MSA to apply to LEED MR credit and sustainability guidelines.

3.2.2.1.2 Furnish and install new copper piping, branch lines, nipples and fittings, connecting to the main water supply.

3.2.2.1.3 Install (3) ³/₄ inch low point drains per MSA pre-determined locations.

3.2.2.1.4 Remove and replace all OSY valves indicated on drawings. Install new OSY at indicated locations, pending MSA review.

3.2.2.1.5 Replace existing 6" strainer located at column 28.

3.2.2.1.6 Replace Pressure Reducing Station located at column 28.

3.2.2.1.7 Demo all galvanized branch connections and replace with like sized pipe of 2" or less up to existing isolation valves in each restroom and concession stand.

3.2.2.1.8 Demo and replace all existing OSY and ball valves inside of concession stands and restrooms.

3.2.2.1.9 Provide MSA with ten 2" copper 4' sections of copper pipe grooved on both ends.

3.2.2.1.10 Create end of line 2” full port blow out connection inside of concessionaire area “Cart Storage.”

3.2.2.2 Space shall be provided for the staging of an open top container.

3.2.2.3 Space shall be allocated for the storage of materials.

3.2.3 SPECIFICATIONS

3.2.3.1 These specifications are intended to cover all labor, material and standards of workmanship to be employed in the work called for in the scope of work and these specifications or reasonably implied by terms of same. Work or materials of a minor nature which may not be specifically mentioned, but which may be reasonably assumed as necessary for the completion of this work shall be performed by Contractor as if described in the specifications.

3.2.3.2 These specifications shall govern the procedures and materials required. These specifications define the minimum requirements of the listed project. In the event of a conflict between any portion of these specifications and the referenced specifications, such conflicts shall immediately be brought to the attention of MSA.

3.2.3.3 Equipment, materials, installation, workmanship, fabrication, assembly, erection, examination, inspection, and testing shall be in accordance with the NFPA standards referenced herein.

3.2.3.4 CONTRACTOR MINIMUM QUALIFICATIONS. Contractor shall have successfully installed copper victaulic piping systems of the same type and design as specified herein.

3.2.3.5 STANDARDS & CODES. Applicable sections of the following documents are part of these specifications; latest editions and revisions apply.

3.2.3.6 **COMPONENTS.** MSA has specified the following components:

3.2.3.6.1 **Piping 4” and above** Type “K” Copper Victaulic Pipe

3.2.3.6.2 **Piping below: 4”** Type “L” Copper and Copper Victaulic Pipe

Voluntary Alternates. Base bids are requested in accordance with the specifications above. Voluntary alternates that in a bidder’s judgment will result in an equally satisfactory job may be considered. Such alternates are to be described in detail, together with any addition or deduction to the base price, to permit proper evaluation. MSA has final approval over any and all alternates proposed.

3.2.3.7 QUANTITIES.

- 3.2.3.7.1 The approximate quantity of pipe is as follows:
6 inch pipe: 100 feet
4 inch pipe: 404 feet
- 3.2.3.7.2 The approximate quantity of branch lines is as follows:
(15) 2 inch
- 3.2.3.7.3 The approximate number of new 2" or smaller ball valves is as follows:
(36) 2" or smaller

NOTE: Quantities listed above are for bid purposes only. Contractor shall independently verify quantities needed to complete the scope of work.

3.2.3.8 PIPE.

- 3.2.3.8.1 **Up to 6 inches.** Copper tube, ASTM B88, Type K or L, drawn.
- 3.2.3.8.2 **6" and above inches.** Copper tube, ASTM B88, Type K, drawn or Stainless, steel ASTM A312, schedule 10 may be used.

3.2.3.9 FITTINGS FOR COPPER TUBE.

- 3.2.3.9.1 Wrought copper or bronze castings conforming to ANSI B16.18 and B16.22. Unions shall be bronze, MSS SP72 & SP 110, solder or braze joints.
- 3.2.3.9.2 **Grooved fittings.**
- 3.2.3.9.2.1 2 to 6 inch. Wrought copper ASTM B75 C12200.
- 3.2.3.9.2.2 5 to 6 inch. Bronze casting ASTM B584, CDA 844.
- 3.2.3.9.2.3 Mechanical grooved couplings, ductile iron, ASTM A536 (Grade 65-45-12), or malleable iron, ASTM A47 (Grade 32510) housing, with EPDM gasket, steel track head bolts, ASTM A183, coated with copper colored alkyd enamel.
- 3.2.3.9.3 **Mechanically formed tee connection.** Form mechanically extracted collars in a continuous operation by drilling pilot hole and drawing out tube surface to form collar, having a height of not less than three times the thickness of tube wall. Adjustable collaring device shall insure proper tolerance and complete uniformity of the joint. Notch and dimple joining branch tube in a single process to provide free flow where the branch tube penetrates the fitting. Braze joints.

3.2.3.10 FITTINGS FOR STAINLESS STEEL.

- 3.2.3.10.1 Stainless steel butt-welded fittings, Type 316, Schedule 10, conforming to ANSI B16.9.

3.2.3.10.2 Grooved fittings, stainless steel, Type 316, Schedule 10, conforming to ASTM A403. Segmentally fabricated fittings are not allowed. Mechanical grooved couplings, ductile iron, ASTM A536 (Grade 65-45-12), or Malleable iron, ASTM A47 (Grade 32510) housing, with EPDM gasket, steel track head bolts, ASTM A183, coated with copper colored alkyd enamel.

3.2.3.11 ADAPTERS. Provide adapters for joining screwed pipe to copper tubing.

3.2.3.12 SOLDER. ASTM B32 Composition Sb5 HA or HB. Provide noncorrosive flux.

3.2.3.13 BRAZING ALLOY. AWS A5.8, Classification BCuP.

3.2.3.14 VALVES.

3.2.3.14.1 Shutoff.

Up to 2 inches. Ball, Mss SP-72, SP-110, Type II, Class 125, Style 1, three piece or double union end construction, full ported, full flow, with solder end connections, 400 psi WOG.

Between 2 and 4 inches. Butterfly, iron body, aluminum bronze disc, 416 stainless steel stem, EPDM seat, wafer design, lever operator to 6 inch size, 200 pound WOG.

Over 4 inches.

Grooved end butterfly valves with ductile iron body and disc core ASTM A536. Disc rubber coated with compatible material for intended service, maximum working pressure 300 psi grooved ends for connection with mechanical grooved couplings.

Gate, MSS-SP-70, wedge disc, class 125, cast iron body with bronze trim, flanged, gear operated and crank for 8 inches and above.

3.2.3.14.2 Balancing.

Up to 2 inches: Combination type, calibrated, bronze with bronze disc, equipped with readout valves with integral check valve, indexing position pointer and calibrated name plate, internal EPT Oring seals and factory molded insulating enclosures.

Over 2 inches: Combination balancing and shutoff, non-lubricated eccentric plug type with cast iron or semi-steel body, electroless nickel plated cast iron plug, with resilient facing suitable for continuous water service up to 180 °F, bronze bearings, 175 pound WOG rating and an adjustable open position memory stop and lever.

3.2.3.14.3

Check:

Up to 3 inches: Bronze body and trim, swing type, MSS-SP-80, 125 pound WSP.

Over 3 inches.

Iron body, bronze trim, swing type, vertical or horizontal installation, flange connections, 200 pound WOG.

Ductile iron (ASTM A536) or malleable iron (ASTM A47) body, stainless steel or aluminum bronze trim, dual disc, spring loaded, non-slamming design with grooved ends for connection with mechanical grooved couplings. Consult manufacturer for appropriate elastomeric seal for intended service. Maximum working pressure 500 pounds psi, depending on size.

3.2.3.14.4

Globe.

Up to 3 inches: Bronze body and bonnet, MSS-SP-80, 25 pound WSP.

Disk shall be free to swivel on the stem. Composition seating surface disk construction may be substituted for all metal disk construction. Packing shall be a woven non-asbestos material, impregnated with not less than 25 percent, by weight, tetrafluoroethylene resin.

Over 3 inches. Similar to above, except with cast iron body and bronze trim.

3.2.3.15 WATER PRESSURE REDUCING VALVES & CONNECTIONS.

- 3.2.3.15.1 Single-seated, for dead end service for 30 to 125 pound range on low pressure side.
- 3.2.3.15.2 **1/2 to 2 inch.** Composition diaphragm and stainless steel springs, bronze body with threaded connections.
- 3.2.3.15.3 **2-1/2 to 4 inch.** Cast iron or semi-steel body with brass or bronze trimmings and flanged connections.
- 3.2.3.15.4 **Operation.** Diaphragm and spring to act directly on valve stem. Delivered pressure shall vary not more than one pound for each 10 pounds variation on inlet pressure.
- 3.2.3.15.5 **Setting.** Entering water pressure, discharge pressure, capacity, size, and related measurements shall be as shown on the drawings.

3.2.3.15.6 **Connection Valves and Strainers.** Install shut off valve on each side of reducing valve and full sized bypass with globe valve. Install strainer on inlet side of, and same size as pressure reducing valve. Install pressure gage on low pressure side of line.

3.2.3.16 AIR PRESSURE REDUCING VALVES & CONNECTIONS.

3.2.3.16.1 **Under 3 inches.** Bronze body and trim.

3.2.3.16.2 **Over 3 inches.** Castiron body with bronze trim. Single seated, for dead end service for 30 to 150 pound range on low pressure side. Composition diaphragm and bronze spring to act directly on valve stem. Delivered pressure shall not vary more than one pound for each 10 pounds variation in inlet pressure.

3.2.3.17 **BACKWATER VALVES.** Flap type, hinged or pivoted, with revolving disc. Cast iron body with cleanout of sufficient size to permit removal of interior parts. Hinge, pivot, disc and seat shall be nonferrous metal. Normal position of disc shall be slightly open. Extend the cleanout to the finished floor and fit with threaded countersunk plug. Provide clamping device wherever the cleanout extends through the membrane waterproofing.

3.2.3.18 CLEANOUTS.

Up to 4 inches. Same size as the pipe; not less than 4 inches for larger pipe. Cleanouts shall be easily accessible and shall be gastight and watertight. Provide a minimum clearance of 24 inches for the rodding.

In Floors. Floor cleanouts shall have cast iron body and frame with square adjustable scoriated secured nickel bronze top. Unit shall be vertically adjustable for a minimum of 2 inches. When a waterproof membrane is used in the floor system, provide clamping collars on the cleanouts. Cleanouts shall consist of "Y" fittings and 1/8 inch bends with brass or bronze screw plugs. Cleanouts in the resilient tile floors, quarry tile and ceramic tile floors shall be provided with square top covers recessed for tile insertion. In the carpeted areas, provide carpet cleanout markers. Provide two way cleanouts where indicated on drawings.

Provide cleanouts at or near the base of the vertical stacks with the cleanout plug located approximately 24 inches above the floor. If there are no fixtures installed on the lowest floor, the cleanout shall be installed at the base of the stack. Extend the cleanouts to the wall access cover. Cleanout shall consist of sanitary tees. Furnish nickel bronze square frame and stainless steel cover with minimum opening of 6 by 6 inches at each wall cleanout. Where the piping is concealed, a fixture trap or a fixture with integral trap, readily removable without disturbing concealed roughing work, shall be accepted as a cleanout equivalent providing the opening to be used as a cleanout opening is the size required by the NPHCC National Standard Plumbing Code.

In horizontal runs above grade, cleanouts shall consist of cast brass tapered screw plug in fitting or caulked/no hub cast iron ferrule. Plain end (no-hub) piping in interstitial space or above ceiling may use plain end (no-hub) blind plug and clamp.

3.2.3.19 TRAP PRIMERS.

3.2.3.19.1 Trap Primer – Electronic type

3.2.3.19.1.1 Controller. Programmable, solid state, 6 zone, minimum adjustable run time of 1 minute for each zone, 12 hour program battery backup, 120VAC to 24VAC internal transformer, fuse protected circuitry, UL listed, 120VAC input-24VAC output, constructed of enameled steel or plastic, equal to Toro Model Vision.

3.2.3.19.1.2 Solenoid Valve. Brass body, Buna “N” seats, normally closed, 125 psi rated, 24VAC, equal to ASCO model 8210.

3.2.3.19.1.3 Control Wiring. Control wiring to be copper in accordance with NEC 1990, Article 725 and not less than 18 gauge. All wiring shall be in conduit and in accordance with division 16 of the specifications.

3.2.3.19.2 **Trap Primer - Hydraulic**. 1/2 inch Inlet/ 1/2 inch Outlet fully automatic, all brass trap primer valve, activated by a drop in building water pressure, no adjustment required. Model for one (1) to four (4) traps with distribution unit, may be located anywhere in an active cold water line, as indicated on the drawings or as required by code. ASSE Standard 1018. Omit distribution unit when serving a single trap.

3.2.3.20 **BACKFLOW PREVENTERS**. Provide a backflow prevention device at any point in the plumbing system where the potable water supply comes in contact with a potential source of contamination. Device shall be certified by the American Society of Sanitary Engineers. Listed below is a partial list of connection to the potable water system which shall be protected against backflow or back siphonage.

3.2.3.21 WATERPROOFING.

3.2.3.21.1 Provide at points where pipes pass through membrane waterproofed floors or walls in contact with earth.

3.2.3.21.2 **Floors**. Provide cast iron stack sleeve with flashing device and an under deck clamp. After stack is passed through sleeve, provide a waterproofed caulked joint at top hub.

3.2.3.21.3 **Walls**. See detail shown on drawings.

3.2.3.22 STRAINERS.

3.2.3.22.1 Provide on high pressure side of pressure reducing valves, on suction side of pumps, on inlet side of indicating and control instruments and equipment subject to sediment damage and where shown on drawings. Strainer element shall be removable without disconnection of piping.

3.2.3.22.2 Water: Basket or "Y" type with easily removable cover and brass strainer basket.

3.2.3.22.3 Body: Smaller 3 inches, brass or bronze; 3 inches and larger, cast iron or semi-steel.

3.2.3.23 PRESSURE GAUGES FOR WATER & SEWER USAGE. ANSI B40.1 all metal case 4 1/2 inches diameter, bottom connected throughout, graduated as required for service, and identity labeled.

3.2.3.24 DIELECTRIC FITTINGS. Provide dielectric couplings or unions between ferrous and nonferrous pipe.

3.2.3.25 HOT WATER TEMPERATURE MAINTENANCE HEAT TRACING. Electric heat tracing, automatic self-regulating type, UL listed, tinned copper braid shield, able to crossover itself without overheating, parallel circuit design able to be cut to any length at job site and shall be corrosive and chemical resistant. Heat tracing shall maintain hot water temperature as scheduled on drawings. Heat tracing shall be complete with power connection kits, splice kits, tee kits, end seal kits and accessories required for a complete operable system. See Schedule for capacity.

3.2.3.26 WATER HAMMER ARRESTER. Closed copper tube chamber with permanently sealed 60 psig air charge above a Double O-ring piston. Two high heat Buna-N O-rings pressure packed and lubricated. All units shall be designed in accordance with ASSE 1010 for sealed wall installations without an access panel. Size and install in accordance with Plumbing and Drainage Institute requirements (PDI WH 201). Unit shall be as manufactured by Precision Plumbing Products Inc., Watts or Sioux Chief. Provide water hammer arrestors at all solenoid valves, at all groups of two or more flush valves, at all quick opening or closing valves.

3.2.3.27 INSTALLATION. Comply with the PHCC National Standard Plumbing Code and the following:

3.2.3.27.1 Install branch piping for water, waste and fuel gas, from the respective piping systems and connect to all fixtures, valves, cocks, outlets, casework, cabinets and equipment, including those furnished by the Government or specified in other sections.

3.2.3.27.2 Pipe shall be round and straight. Cutting shall be done with proper tools. Pipe, except for plastic and glass, shall be reamed to full size after cutting.

- 3.2.3.27.3 All pipe runs shall be laid out to avoid interference with other work.
- 3.2.3.27.4 All gravity waste drain lines inside the building with vertical drops over 20 feet shall be provided with joint restraint on the vertical drop and horizontal offset or branch below the vertical drop. Joint restraint shall be accomplished by threaded, soldered, lead and oakum or grooved joints or a combination of pipe clamps and tie-rods as detailed in NFPA 24. Vertical joint restraint shall be provided from the fitting at the bottom of the vertical drop through every joint up to the riser clamp at the floor penetration of the floor above. Horizontal joint restraint shall be provided from the same fitting at the bottom of the vertical drop through every joint on the horizontal offset or branch for a minimum of 60 feet or to anchoring point from the building structure. Joint restraint below ground shall be accomplished by thrust blocks detailed in NFPA 24.
- 3.2.3.27.5 Install valves with stem in horizontal position whenever possible. All valves shall be easily accessible. Install valve in each water connection to fixture.
- 3.2.3.27.6 Install union and shut-off valve on pressure piping at connections to equipment.

3.2.3.28 Pipe Hangers, Supports And Accessories.

- 3.2.3.28.1 All piping shall be supported per of the National Standard Plumbing Code.

3.2.3.29 Shop Painting and Plating. Hangers, supports, rods, inserts and accessories used for Pipe supports shall be shop coated with red lead or zinc Chromate primer paint. Electroplated copper hanger rods, hangers and accessories may be used with copper tubing.

3.2.3.30 Floor, Wall and Ceiling Plates, Supports, Hangers.

- 3.2.3.30.1 Solid or split unplated cast iron.
- 3.2.3.30.2 All plates shall be provided with set screws.

3.2.3.31 Pipe Hangers. Height adjustable clevis type.

3.2.3.32 Adjustable Floor Rests and Base Flanges. Steel.

3.2.3.33 Concrete Inserts. "Universal" or continuous slotted type.

3.2.3.34 Hanger Rods. Mild, low carbon steel, fully threaded or Threaded at each end with two removable nuts at each end for positioning rod and hanger and locking each in place.

3.2.3.35 Riser Clamps. Malleable iron or steel.

3.2.3.36 Rollers. Cast iron.

3.2.3.37 Self-drilling type expansion shields shall be "Phillips" type, with case hardened steel expander plugs.

3.2.3.38 Hangers and supports utilized with insulated pipe and tubing shall have 180 degree (min.) metal protection shield Centered on and welded to the hanger and support. The shield shall be 4 inches in length and be 16 gauge steel. The shield shall be sized for the insulation.

3.2.3.39 Miscellaneous Materials. As specified, required, directed or as noted on the drawings for proper installation of hangers, supports and accessories. If the vertical distance exceeds 20 feet for cast iron pipe additional support shall be provided in the center of that span. Provide all necessary auxiliary steel to provide that support.

3.2.3.40 Install cast escutcheon with set screw at each wall, floor and ceiling penetration in exposed finished locations and within cabinets and millwork.

3.2.3.41 Backflow prevention device shall be installed in an accessible location, 5 (five) feet above finish floor.

3.2.3.42 Penetrations.

3.2.3.42.1 Fire Stopping: Where pipes pass through fire partitions, fire walls, smoke partitions, or floors, install a fire stop that provides an effective barrier against the spread of fire, smoke and gases. Completely fill and seal clearances between raceways and openings with the fire stopping materials.

3.2.3.42.2 Waterproofing: At floor penetrations, completely seal clearances around the pipe and make watertight with sealant.

3.2.3.43 Piping shall conform to the following:

3.2.3.43.1 Where possible, grade all lines to facilitate drainage. Provide drain valves at bottom of risers. All unnecessary traps in circulating lines shall be avoided.

3.2.3.43.2 Connect branch lines at bottom of main serving fixtures below and pitch down so that main may be drained through fixture. Connect branch lines to top of main serving only fixtures located on floor above.

3.2.3.44 INSULATION.

3.2.3.44.1 Except for specific exceptions, insulate entire specified piping (pipe, fittings, valves, accessories) system. Insulate each pipe individually. Do not use scrap pieces of insulation where a full length section will fit.

3.2.3.44.2 Where removal of insulation of piping is required, such areas shall be reinsulated to comply with this specification.

3.2.3.44.3 Insulation materials shall be installed in a first class manner with smooth and even surfaces, with jackets and facings drawn tight and smoothly cemented down at all laps. Insulation shall be continuous through all sleeves and openings. Vapor retarders shall be continuous and

uninterrupted throughout systems with operating temperature 16 degrees C (60 degrees F) and below. Lap and seal vapor barrier over ends and exposed edges of insulation. Anchors, supports and other metal projections through insulation on cold surfaces shall be insulated and vapor sealed for a minimum length of 150 mm (6 inches).

- 3.2.3.44.4 Install vapor stops at all insulation terminations on either side of valves, pumps and equipment and particularly in straight lengths of pipe insulation.
- 3.2.3.44.5 Construct insulation on parts of equipment that must be opened periodically for maintenance or repair, so insulation can be removed and replaced without damage.
- 3.2.3.44.6 Insulation on piping shall be terminated square at items not to be insulated, access openings and nameplates. Cover all exposed raw insulation with white sealer or jacket material.
- 3.2.3.44.7 Protect all insulations outside of buildings with aluminum jacket using lock joint or other approved system for a continuous weather tight system. Access doors and other items requiring maintenance or access shall be removable and sealable.
- 3.2.3.44.8 Apply insulation materials subject to the manufacturer's recommended temperature limits. Apply adhesives, mastic and coatings at the manufacturer's recommended minimum coverage.
- 3.2.3.44.9 Elbows, flanges and other fittings shall be insulated with the same material as is used on the pipe straights. The elbow/ fitting insulation shall be field-fabricated, mitered or factory prefabricated to the necessary size and shape to fit on the elbow/ fitting. Use of polyurethane spray-foam to fill a PVC elbow jacket is prohibited on cold applications.
- 3.2.3.44.10 Firestop pipe insulation:
 - 3.2.3.44.10.1 Provide firestopping insulation at fire and smoke barriers through penetrations. Pipe penetrations requiring fire stop insulation including, but not limited to the following:
 - 3.2.3.44.10.2 Pipe risers through mechanical room floors
 - 3.2.3.44.10.2 Pipe chase walls and floors
 - 3.2.3.44.10.3 Smoke partitions
 - 3.2.3.44.10.4 Fire partitions

- 3.2.3.45 **TESTS.** Test system either in its entirety or in sections.
- 3.2.3.45.1 **Water Test.** If entire system is tested, tightly close all openings in pipes except highest opening, and fill system with water to point of overflow. If system is tested in sections, tightly plug each opening except highest opening of section under test, fill each section with water and test with at least a 10 foot head of water. In testing successive sections, test at least upper 10 feet of next preceding section so that each joint or pipe except upper most 10 feet of system has been submitted to a test of at least a 10 foot head of water. Keep water in system, or in portion under test, for at least 15 minutes before inspection starts. System shall then be tight at all joints.
- 3.2.3.45.2 **Air Test.** Maintain air pressure of 5 psi gauge for at least 15 minutes without leakage. Use force pump and mercury column gauge.
- 3.2.3.45.3 **Final Tests.** Either one of the following tests may be used.
- 3.2.3.45.3.1 **Smoke Test:** After fixtures are permanently connected and traps are filled with water, fill entire drainage and vent systems with smoke under pressure of one inch of water with a smoke machine. Chemical smoke is prohibited.
- 3.2.3.45.3.2 **Peppermint Test:** Introduce two ounces of peppermint into each line or stack.
- 3.2.3.45.4 **Potable Water System:** Test after installation of piping, but before piping is concealed, before covering is applied, and before plumbing fixtures are connected. Fill systems with water and maintain hydrostatic pressure of 100 psi gauge for two hours. No decrease in pressure is allowed. Provide a pressure gauge with a shutoff and bleeder valve at the highest point of the piping being tested.
- 3.2.3.45.5 **Additional Tests.** When deficiencies, defects or malfunctions develop during the tests required, all further testing of the system shall be suspended until proper adjustments, corrections or revisions have been made to assure proper performance of the system. If these revisions require more than a nominal delay, MSA shall be notified when the additional work has been completed, to arrange a new inspection and test of the system. All tests required shall be repeated prior to final acceptance, unless directed otherwise.

3.2.3.46 QUALITY CONTROL / INSPECTION.

3.2.3.46.1 The responsibility for quality control rests solely with Contractor, who is expected to cooperate with MSA and allow access to all phases of the work.

3.2.3.46.2 Prior to final acceptance, a final inspection shall be made by MSA and representative of Contractor. MSA shall reject any work that does not conform to the specifications herein. All rejected work shall be repaired by Contractor without cost to MSA.

3.2.3.47 EQUIPMENT. All equipment to be used shall be subject to inspection by MSA and/or the coatings manufacturer's technical service representative at their discretion. All equipment shall be completely operable, completely free of any foreign matter and in good condition and may be inspected by MSA for proper operation.

3.2.3.48 FIELD PROTECTION. Contractor shall fully protect all equipment, glass, walls, floors, ceilings, and other surfaces from damage.

3.2.3.49 **EXAMINATION OF SITE AND WORK.** Contractors are encouraged attend a scheduled inspection and walk through presentation in order to examine the building and familiarize themselves with the physical conditions to judge for themselves the extent to which these factors will influence the performance and cost of the contract services prior to submitting a bid. Failure to attend shall not relieve the successful Contractor from liabilities incurred in event of default in the contract agreement.

3.2.3.50 ADDITIONAL WORK.

3.2.3.50.1 No additional work of any kind shall be considered an extra unless a **separate estimate is given in writing for said work and the estimate is approved in writing by MSA** before the work commences. All cost estimates must be consistent and commensurate with previously provided pricing and charges in the original proposal to that with newly added areas or requests for additional work.

3.2.3.50.2 .MSA's payment for approved extra work shall be based on actual cost of labor plus wholesale cost of materials plus ten percent (10%) or the fees outlined in the Price Lists, whichever is less.

3.2.3.51 EQUIPMENT. All equipment to be used shall be subject to inspection by MSA and/or the coatings manufacturer's technical service representative at their discretion. All equipment shall be completely operable, completely free of any foreign matter and in good condition and may be inspected by MSA for proper operation.

3.3 Supervisor/Work Force

- 3.3.1 Contractor shall provide a work force sufficient to complete the work as it is specified. Included in this work force shall be a competent Supervisor/Project Manager acceptable to MSA who shall be responsible for adherence to the specifications herein and shall be available to MSA on a regular and routine basis. .
- 3.3.2 Contractor's Supervisor/ Project Manager shall have control of all work crews assigned to perform work under this contract and is expected to be on-site during times when work crews are assigned to perform work and is to be available to MSA during working hours.
- 3.3.3 Contractor's Supervisor/Project Manager will report without delay any damage to MSA equipment or property and shall be held responsible for the repair and/or replacement of any such damage caused by his/her crew or equipment.

3.4 Working Hours

- 3.4.1 Regular working hours shall mean between 7:00 a.m. and 5:00 p.m., Monday through Friday, MSA holidays and weekends excluded.
- 3.4.2 The Contractor at its own cost and expense may elect to work other than normal hours. MSA will not be responsible for any overtime hours absent prior to written authorization by MSA.

3.5 Coordination/Planning

- 3.5.1 All work must be conducted in a manner which meets the approval of MSA. There shall be periodic meetings on site between Contractor and MSA to certify the accomplishment of work. Any specific problem area which does not meet the specifications set forth herein shall be called to the attention of Contractor along with the action required to satisfy the specifications.
- 3.5.2 MSA shall be given at least two (2) days notice prior to commencement of any work. While work is in progress, MSA shall be given at least four hours notice of any changes in schedule. Surface preparation and/or coating application shall not be done in the absence of MSA without their knowledge or consent.
- 3.5.3 Contractor shall announce work that is to be performed by posting signs, approved by MSA, informing tenants, patrons, and the public of the work that is to be performed, including specific dates and times. These notices shall be delivered within the time specified by MSA. Contractor shall provide a MSA contact phone number on each sign to field inquiries.

3.6 Contractor's Use of Premises

- 3.6.1 The Contractor shall limit his use of the premises to the work indicated, so as to allow for MSA occupancy and use.

- 3.6.2 The Contractor shall confine operations at the site to the areas permitted under the contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. The Contractor shall conform to site rules and regulations affecting work while engaged in contract work.

3.7 Protection of Work/MSA Property

- 3.7.1 The Contractor shall provide all necessary protection of completed work to prevent damage from other work in adjacent areas.
- 3.7.2 Any furniture, fixtures and equipment in the work area shall be covered/protected by the successful bidder at his/her expense. This includes tile or carpeted floors.

3.8 Cleaning

- 3.8.1 The Contractor shall maintain the work areas clean of debris at all times. Upon completion of any work project, the Contractor shall remove remaining excess materials, waste, rubbish, debris, and construction and installation equipment from the premises immediately. Any debris, dirt or stains caused by the work shall be promptly removed. Requests to leave materials, waste, rubbish, debris, and construction and installation equipment on site longer than eight (8) hours must be approved in writing by MSA in advance.

3.9 Safety

- 3.9.1 The Contractor shall take all necessary precautions for the safety of employees on the work crew to prevent accidents or injury to persons on, about, or adjacent to the premises where the work is being performed. All work to be done in accordance with all applicable laws and codes.
- 3.9.2 Contractor shall erect and properly maintain at all times, as required by the conditions and progress of the work, all necessary safeguards for the protection of workmen and the public and shall post danger signs warning against hazards created by such work. All work to be done in accordance with Federal, State and Municipal laws and codes.
- 3.9.3 When operating any boom lifts on site, the operator must be certified.
- 3.9.4 On site supervision must possess a valid OSHA ten hour safety certification.

3.10 Hazardous Waste

- 3.10.1 The Contractor shall handle, store, transport and dispose of hazardous waste materials in compliance with Federal and State Government Hazardous Waste Regulations.
- 3.10.2 The Contractor retains ownership/possession of all waste materials generated by their work and shall be entirely responsible for the cleanup of any contamination resulting from spills or

mishandling of same. The waste materials must be packaged and labeled according to MDE/EPA and DOT regulations and must be removed from MSA property within 10 working days of completion of work. The Contractor shall make every effort to minimize the generation of hazardous waste.

3.11 Security Requirements

3.11.1 Employee Identification

- (a) Each person who is an employee or agent of the Contractor or subcontractor shall display his or her company ID badge at all times while on MSA premises. Upon request of authorized MSA personnel, each such employee or agent shall provide additional photo identification.
- (b) At all times at any facility, the Contractor's personnel shall cooperate with MSA site requirements that include but are not limited to being prepared to be escorted at all times, providing information for badge issuance, and wearing the badge in a visible location at all times.

3.12 Insurance Requirements

3.12.1 The Contractor and its subcontractors shall maintain Commercial General Liability Insurance or its equivalent, for bodily injury and property damage, including loss of use. It is preferred that coverage be provided on an "occurrence" basis. If "claims made" forms are submitted, the requirements noted after section "G" must be met. Such Commercial General Liability policy shall include the following extensions:

- 3.12.1.1 It is preferred that the general aggregate limit apply separately to this contract;
- 3.12.2 Premises/Operations;
- 3.12.3 Actions of Independent Contractors;
- 3.12.4 Products/completed Operations to be maintained for two (2) years after completion of the contract;
- 3.12.5 Contractual liability assumed under this contract;
- 3.12.6 Personal injury liability including coverage for offenses related to employment, and for offenses assumed under this contract (delete any standard employment and contractual exclusions if contained in the personal injury coverage section).
- 3.12.7 The Contractor and its subcontractors shall maintain Business Automobile Liability Insurance which will pay for liabilities arising out of accidents involving the ownership, operation, maintenance or use of any owned, hired, or non-owned motor vehicles, uninsured motorist's insurance and automobile contractual liability. **NOTE: INSURANCE MUST BE**

ON A PRIMARY BASIS. CONTRACTUAL REQUIREMENTS MUST BE CLEARLY INDICATED ON CERTIFICATE OR BY ENDORSEMENTS.

- 3.12.8 The Contractor and its subcontractors shall maintain Worker's Compensation Insurance as required by Maryland law.
- 3.12.9 The coverages listed above shall be written for not less than the following limits of liability. Limits can be furnished by a combination of primary and excess (umbrella) policies.
Commercial General Liability Insurance including all extensions –
\$1,000,000 each occurrence;
\$1,000,000 personal injury;
\$1,000,000 products liability;
\$1,000,000 general aggregate
- Business Automobile Liability -
\$1,000,000 each accident
- Worker's Compensation Insurance – statutory requirements. Employers liability insurance - \$1,000,000 each accidental injury; and \$1,000,000 each employee, \$1,000,000 policy limit for disease.
- 3.12.10 All insurance policies required hereunder shall be endorsed to include the following provision: "It is agreed that this policy is not subject to cancellation, non-renewal, material change, or reduction in coverage until forty-five (45) days prior written notice has been given to MSA.
- 3.12.11 No acceptance and/or approval of any insurance by MSA shall be construed as relieving or excusing the Contractor, or the surety or bond, if any, from any liability or obligation imposed upon either or both of them by the provisions of the Contract Documents.
- 3.12.12 NAMED ADDITIONAL INSUREDS. MSA, the Baltimore Orioles Limited Partnership and the State of Maryland (including their elected or appointed officials, agents and employees) are to be named as additional insured under all coverages except Worker's Compensation, and the certificates of insurance (or certified policies, if requested) must so indicate through inclusion of appropriate endorsement. Coverage afforded under this paragraph shall be primary to any other insurance or self-insurance, whether or not such other insurance or self-insurance is stated as primary, excess or contingent, as respects the above additional insured, their elected and appointed officials, agents and employees.
- 3.12.13 Insurance coverages required herein shall be in force throughout the Contract term. Should the Contractor fail to provide acceptable evidence of current insurance within ten (10) days of receipt of written notice at any time during the Contract term, MSA shall have the absolute right to terminate the Contract without any further obligation to the Contractor, and the Contractor shall be liable to MSA for the entire additional cost of procuring substitute performance and the cost of performing the incomplete portion of the Contract at the time of termination.

- 3.12.14 Contractual and other liability insurance provided under this Contract shall not contain a supervision, inspection or engineering service exclusion that would preclude MSA from supervising or inspecting the operations of the contractors as the end result.
- 3.12.15 The Contractor shall assume all on-the-job responsibilities as to the control of persons directly employed by it and of agents or subcontractors and anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. Contractor shall be as fully responsible to MSA for the acts and omissions of the subcontractors and of persons employed by them as it is for acts and omissions of persons directly employed by the Contractor.
- 3.12.16 TORT CLAIMS ACT. It is agreed that the Contractor and its insurers will not raise or use, in the adjustment of claims or in the defense of suits against MSA, any immunity of the insured from tort liability (including Maryland Tort Claims Act), including any limitation of liability, unless requested by MSA.
- 3.12.17 The Contractor shall furnish subcontractors' certificates of insurance to MSA upon request.

3.13 Invoicing

3.13.1 General

- (a) All invoices for services shall be signed by the Contractor and emailed to invoices@mdstad.com. All invoices shall include the following information:
- Contractor name;
 - Remittance address;
 - Federal taxpayer identification number (or if sole proprietorship, the individual's social security number);
 - Invoice period;
 - Invoice date;
 - Invoice number;
 - MSA assigned Contract number;
 - MSA (Blanket) Purchase Order number(s);
 - Goods or services provided; and
 - Amount due.
 - Work Order number
- MSA's address (Maryland Stadium Authority, 333 West Camden Street, Suite 500, Baltimore, Maryland 21201). Invoices submitted without the required information cannot be processed for payment until the Contractor provides the required information.
- (b) The MSA reserves the right to reduce or withhold Contract payment in the event the Contractor does not provide MSA with all required deliverables within the time frame specified in the Contract or in the event that the Contractor otherwise materially breaches the terms and conditions of the Contract until such time as the Contractor brings itself into full compliance with the Contract. Also see the "Living Wage" provision of the Contract,

if applicable, which allows for withholding of payment under certain circumstances. Any action on the part of the MSA, or dispute of action by the Contractor, shall be in accordance with the provisions of Md. Code Ann., State Finance and Procurement Article §§ 15-215 through 15-223 and with COMAR 21.10.02.

- (c) Vendor payments can take up to 30 business days. Vendor may check the status of payment by registering on General Accounting Division of Comptrollers website at:

<http://compnet.comp.state.md.us/General> Accounting Division

If you do not see your payment, you may fill out the request form on MSA's website at www.mdstad.com. Under "Account Payable" and it will be researched.

3.13.2 **Invoice Submission Schedule**

The Contractor shall submit monthly invoices.

Exhibit I – MCC First Base Plumbing As-Built Drawings

Exhibit II – MCC First Base OP Plumbing Drawings

Exhibit III - Domestic Water Riser DiagramSO Drawings

Exhibit IV – Domestic Water Booster

Exhibit V Restroom GPM

SECTION 4 – BID FORMAT

4.1 One Part Submission

Bidders should submit its Bid, along with Additional Bid Submissions (see Section 4.4) in a single sealed package/envelope.

4.2 Labeling

Each Bidder is required to label the sealed Bid. The Bid shall bear the IFB title and number, name and address of the Bidder, and closing date and time for receipt of the Bids.

4.3 Bid Price Form

The Bid shall contain all price information in the format specified on the Bid Form Price Sheet (**Attachment F**). Complete the Bid Form only as provided in the Bid Pricing Instructions. Do not amend, alter, or leave blank any items on the Bid Form Price Sheet or include additional clarifying or contingent language on or attached to the Bid Form. Failure to adhere to any of these instructions may result in the Bid being determined to be non-responsive and rejected by the MSA.

4.4 Additional Bid Submissions

4.4.1 Transmittal Letter:

A Transmittal Letter should be submitted with the Bid. The purpose of this letter is to transmit the Bid and acknowledge the receipt of any addenda. The Transmittal Letter should be brief and signed by an individual who is authorized to commit the Bidder to the services and requirements as stated in this IFB. The Transmittal Letter should include the following:

- Name and address of the Bidder;
- Name, title, e-mail address, and telephone number of primary contact for the Bidder;
- Solicitation Title and Solicitation Number that the Bid is in response to;
- Signature, typed name, and title of an individual authorized to commit the Bidder to its Bid;
- Federal Employer Identification Number (FEIN) of the Bidder, or if a single individual, that individual's Social Security Number (SSN);
- Bidder's eMM number;
- Bidder's MBE certification number (if applicable);
- Acceptance of all Contract terms and conditions (see Section 1.23).
- **NOTE: Exceptions to terms and conditions may result in having the Bid deemed unacceptable or classified as not reasonably susceptible of being selected for award.**
- Acknowledgement of all addenda to this IFB.

Any information which is claimed to be confidential is to be noted by reference and included after the Transmittal Letter. An explanation for each claim of confidentiality shall be included (see Section 1.13 “Confidentiality of Bids”).

In addition, the Transmittal Letter shall indicate whether the Bidder is the subsidiary of another entity, and if so, whether all information submitted by the Bidder pertains exclusively to the Bidder.

4.4.2 Completed Attachments (Submit three (3) copies of each with original signatures).

- a. Completed Bid Form (**Attachment F**).
- b. Completed Bid/Proposal Affidavit (**Attachment B**).
- c. Completed MBE Utilization and Fair Solicitation Affidavit and MBE Participation Schedule (**MBE Attachment D-1A**).
- d. Contractor Experience and Qualification Statement (**Attachment G**).
- e. Completed Conflict of Interest Affidavit and Disclosure (**Attachment I**).
- f. Completed Certification Investment Activities in Iran (**Attachment J**).
- h. Signed Acknowledgement of all Addenda, if any.

4.4.3 Completed Submittals

Bidder shall include, at a minimum, the following information with their Contractor Experience and Qualifications Statement (**Attachment G**). Information shall be presented in a clear and concise format, to demonstrate Contractor’s competence and professional qualifications for the satisfactory performance of the work outlined in the Specifications and Scopes of Work herein. If a bidder fails to provide the required documentation described below, that bidder may be considered a non-responsible bidder, and bid rejected. Submittals should include:

- 4.4.3.1 Data showing that Bidder has successfully installed copper victaulic piping systems of the same type and design as specified herein.
 - 4.4.3.1.1 Include the names and locations of at least two installations where Contractor has installed such systems.
 - 4.4.3.1.2 Indicate the type and design of each system, and certify that the system has performed satisfactorily for a period of at least 18 months.
- 4.4.3.2 Contractor shall a detailed schedule by which Contractor intends to complete the work as set forth in the Specifications and Scopes of Work herein.
- 4.4.3.3 Contractor shall indicate the warranty offered for with regard to workmanship.
- 4.4.3.4 Contractor shall provide a list of the most recent projects for which Contractor has performed services of similar size, scope, and complexity. This list shall include the name, contact person, address, and phone number of each party for whom the service was provided, as well as a description of the services performed, the dollar amount of the contract, and the dates of performance.

4.4.3.5 Contractor shall provide a list of Contractor's principals, employees, agents, Project Manager/Supervisor and sub-contractors which Contractor anticipates assigning to the project. This list shall include a summary of the qualifications, licenses, and experience of each individual; the approximate number of hours each will devote to the projects on a weekly basis and the type of work to be performed by each individual. MSA will retain under its agreement with the successful Contractor the right to approve or reject all persons performing under the contract.

4.4.4 Legal Action Summary:

This summary shall include:

- i. A statement as to whether there are any outstanding legal actions or potential claims against the Bidder and a brief description of any action;
- ii. A brief description of any settled or closed legal actions or claims against the Bidder over the past five (5) years;
- iii. A description of any judgments against the Bidder within the past five (5) years, including the case name, number court, and what the final ruling or determination was from the court; and
- iv. In instances where litigation is on-going and the Bidder has been directed not to disclose information by the court, provide the name of the judge and location of the court.

4.4.5 Intentionally Omitted

4.4.6 Subcontractors:

Upon request by MSA, the apparent awardee shall provide a complete list of all subcontractors that will work on the Contract if the Bidder receives an award, including those utilized in meeting the MBE subcontracting goal, if applicable. This list shall include a full description of the duties each subcontractor will perform.

4.5 Reciprocal Preference

Although Maryland law does not generally authorize procuring units to favor resident Bidders in awarding procurement contracts, many other states do grant their resident businesses preferences over Maryland contractors. Therefore, COMAR 21.05.01.04 permits procuring units to apply a reciprocal preference in favor of a Maryland resident business under the following conditions:

- The Maryland resident business is a responsible Bidder;
- The most advantageous Bid is from a responsible Bidder whose principal office or principal operations through which it would provide the services required under this IFB is in another state;
- The other state gives a preference to its resident businesses through law, policy, or practice; and
- The Maryland resident preference does not conflict with a federal law or grant affecting the procurement Contract.

The preference given shall be identical to the preference that the other state, through law, policy, or practice gives to its resident businesses.

4.6 Delivery

Bidders may either mail or hand-deliver Bids.

- 4.6.1 For U.S. Postal Service deliveries, any bid that has been received at the appropriate mail room, or typical place of mail receipt for the respective procuring unit by the time and date listed in the IFB will be deemed to be timely. If a Bidder chooses to use the U.S. Postal Service for delivery, the Department recommends that it use Express Mail, Priority Mail, or Certified Mail only as these are the only forms for which both the date and time of receipt can be verified by the Department. It could take several days for an item sent by first class mail to make its way by normal internal mail to the procuring unit and a Bidder using first class mail will not be able to prove a timely delivery at the mailroom.

- 4.6.2 Hand-delivery includes delivery by commercial carrier acting as agent for the Bidder. For any type of direct (non-mail) delivery, a Bidder is advised to secure a dated, signed, and time-stamped (or otherwise indicated) receipt of delivery.

4.7 Documents Required upon Notice of Recommendation for Contract Award

Upon receipt of a Notification of Recommendation for Contract Award, the following documents shall be completed and submitted by the recommended awardee within five (5) Business Days, unless noted otherwise. Submit three (3) copies of each with original signatures.

- a. signed Contract (**Attachment A**),
- b. completed Contract Affidavit (**Attachment C**),
- c. copy of a current Certificate of Insurance with the prescribed limits set forth in Section 3.12 “Insurance Requirements,” listing MSA, the Baltimore Orioles Limited Partnership, the State of Maryland as an additional insured.
- d. completed MBE Attachment D-3A – MBE Subcontractor Project Participation Certification; MBE Attachment D-2 – Outreach Efforts Compliance Statement; and MBE Attachment D-3B – MBE Prime Project Participation Certification Attachment

4.8 Vendor Responsibilities

- 4.8.1 The Procurement Officer shall make purchases from and award contracts only to responsible contractors.
- 4.8.2 In the absence of information clearly indicating that the prospective contractor is responsible, the Procurement Officer shall make a determination of non-responsibility.
- 4.8.3 Factors to be used in determining whether a vendor is responsible may include, but are not limited to:
- 4.8.3.1 Financial resources adequate to perform the contract, or the ability to obtain them;
 - 4.8.3.2 Ability to comply with the required or proposed delivery or performance schedule, taking into consideration all existing commercial and governmental business commitments;
 - 4.8.3.3 A satisfactory performance record;
 - 4.8.3.4 A satisfactory record of integrity and business ethics;
 - 4.8.3.5 The necessary organization, experience, accounting and operational Controls, and technical skills, or the ability to obtain them;
 - 4.8.3.6 Compliance with applicable licensing and tax laws and regulation;
 - 4.8.3.7 The necessary production, construction, and technical equipment and facilities, or the ability to obtain them;
 - 4.8.3.8 Other qualifications and eligibility criteria necessary to receive and award under applicable laws and regulations.

- 4.8.4 If the Procurement Officer determines that the price bid or offer by a prospective contractor is so low as to appear unreasonable or unrealistic, the Procurement Officer may determine the prospective contractor to be non-responsible.
- 4.8.5 The prospective contractor shall promptly supply information requested by the Procurement Officer regarding the responsibility of the prospective contractor.
- 4.8.6 If the prospective contractor fails to supply the information as requested, the Procurement Officer shall make the determination of responsibility or non-responsibility based upon available information.
- 4.8.7 The Procurement Officer may use the following sources of information, as appropriate, to support determinations of responsibility or non-responsibility:
 - 4.8.7.1 The Maryland State Board of Public Works list of Businesses and Persons Suspended or Debarred;
 - 4.8.7.2 Records, past performance, and experience data, including verifiable knowledge of MSA personnel;
 - 4.8.7.3 Being in good standing with the State, including information supplied by the prospective contractor, including bid or proposal information, questionnaire replies, financial data, information on production equipment, and personnel information.
 - 4.8.7.4 Federal disqualification listing of ineligible and debarred contractors.

IFB ATTACHMENTS

ATTACHMENT A – Contract

This is the sample contract used by MSA. It is provided with the IFB for informational purposes and is not required to be submitted at Bid submission time. Upon notification of recommendation for award, a completed contract will be sent to the recommended awardee for signature. The recommended awardee must return to the Procurement Officer two (2) executed copies of the Contract within five (5) Business Days after receipt. Upon Contract award, a fully-executed copy will be sent to the Contractor.

ATTACHMENT B – Bid/Proposal Affidavit

This form must be completed and submitted with the Bid.

ATTACHMENT C – Contract Affidavit

This form must be completed and submitted by the recommended awardee to the Procurement Officer within five (5) Business Days of receiving notification of recommendation for award.

ATTACHMENT D – MBE Forms

The MBE attachment D-1A MBE – Utilization and Fair Solicitation Affidavit and MBE Participation Schedule shall be completed and submitted with the Bid.

The following must be completed and submitted within 10 business days upon request:

MBE Attachment D-3A – MBE Subcontractor Project Participation Certification (submit when requested).

MBE Attachment D-2 – Outreach Efforts Compliance Statement (submit when requested).

MBE Attachment D-3B – MBE Prime Project Participation Certification (if appropriate).

ATTACHMENT E – Pre-Bid Conference Response Form

It is requested that this form be completed and submitted as described in Section 1.6 by those potential Bidders that plan on attending the Pre-Bid Conference.

ATTACHMENT F – Bid Form Instructions and Bid Forms

The Bid Forms must be completed and submitted with the Bid.

ATTACHMENT G – Contractor Qualifications Statement

The Bid Form must be completed and submitted with the Bid.

ATTACHMENT H – Intentionally Omitted

ATTACHMENT I – Conflict of Interest Affidavit and Disclosure

This form must be completed and submitted with the Bid.

ATTACHMENT J – Certification of Investment Activities in Iran

ATTACHMENT K – Intentionally Omitted

ATTACHMENT L – General Conditions for Construction Contracts

ATTACHMENT M – N Intentionally Omitted

ATTACHMENT O – Bid Bond Form

The Performance and Payment Bonds may be required for task orders exceeding \$50,000. .

ATTACHMENT P – MSA Sustainability Policy

Lower Concourse Domestic Water Re-Piping

THIS CONTRACT (the “Contract”) is made this ____ day of ____ 2018 by and between the MARYLAND STADIUM AUTHORITY, (hereinafter referred to as MSA) and _____(hereinafter referred to as Contractor).

In consideration of the promises and the covenants herein contained, the parties agree as follows:

1. Definitions

In this Contract, the following words have the meanings indicated:

- 1.1 “Bid” means the Contractor’s Bid dated _____.
- 1.2 “COMAR” means Code of Maryland Regulations.
- 1.3 “Contract Monitor” means the MSA employee identified in Section 1.5 of the IFB as the Contract Monitor.
- 1.4 “Contractor” means _____ whose principal business address is _____ and whose principal office in Maryland is _____.
- 1.5 “MSA” means the Maryland Stadium Authority.
- 1.6 “IFB” means the Invitation for Bid for the Lower Concourse Domestic Water Re-Piping located at Oriole Park at Camden, Solicitation # 18-024, and any addenda thereto issued in writing by the MSA.
- 1.7 “Procurement Officer” means the MSA employee identified in Section 1.5 of the IFB as the Procurement Officer.
- 1.8 “State” means the State of Maryland.

2. Scope of Contract

2.1 The Contractor shall provide deliverables, programs, goods, and services specific to the Contract for Lower Concourse Domestic Water Re-Piping at Oriole Park at Camden Yards in accordance with Exhibits A-C listed in this section and incorporated as part of this Contract. If there is any conflict between this Contract and the Exhibits, the terms of the Contract shall govern. If there is any conflict among the Exhibits, the following order of precedence shall determine the prevailing provision:

- Exhibit A – The IFB including exhibits, attachments, addenda, if any;
- Exhibit B – General Conditions for Maintenance Contracts; and
- Exhibit C – The Contractor’s Bid.

2.2 The Procurement Officer may, at any time, by written order, make changes in the work within the general scope of the Contract or the IFB. No other order, statement, or conduct of the Procurement Officer or any other person shall be treated as a change or entitle the Contractor to an equitable adjustment under this section. Except as otherwise provided in this Contract, if any change under this section causes an increase or decrease in the Contractor’s cost of, or the time required for, the performance of any part of the work, whether or not changed by the order, an equitable adjustment in the Contract price shall be made and the Contract modified in writing accordingly. The Contractor must assert in writing its right to an adjustment under this section within thirty (30) days of receipt of written change order and shall include a written statement setting

forth the nature and cost of such claim. No claim by the Contractor shall be allowed if asserted after final payment under this Contract. Failure to agree to an adjustment under this section shall be a dispute under the Disputes clause. Nothing in this section shall excuse the Contractor from proceeding with the Contract as changed.

2.3 While the Procurement Officer may, at any time, by written change order, make unilateral changes in the work within the general scope of the Contract as provided in Section 2.2 above, the Contract may be modified by mutual agreement of the parties, provided: (a) the modification is made in writing; (b) all parties sign the modification; and (c) all required approvals are obtained.

2.4 Change Order Mark-Up

2.4.1 The mark-up allowable to the Contractor for combined overhead and profit for work performed solely by the Contractor with his own forces shall be a reasonable amount not to exceed fifteen percent (15%) of the Contractor's costs, excluding those items which may be included in overhead.

2.4.2 (a) The mark-up allowable to a Subcontractor for overhead and profit for work performed solely with his own forces shall be a reasonable amount not to exceed ten percent (10%) for the Subcontractor's overhead and five percent (5%) for the Subcontractor's profit, based upon the Subcontractor's costs of labor, materials, and equipment.

(b) For work performed by a Subcontractor solely with his own forces, the Contractor is entitled to a reasonable mark-up for combined overhead and profit, not to exceed five percent (5%) of the cost of the Subcontractor's materials, equipment, and labor.

2.4.3 The cost of Supervisory Personnel may be added only when the modification makes necessary the hiring of additional supervisory personnel or makes necessary their employment for time additional to that required by the contract.

3. **Period of Performance.**

3.1 The term of this Contract begins on the earlier to occur of: (a) the issuance of a Notice to Proceed; or (b) the date the Contract is signed by the Executive Director, following any required approvals of the Contract, including approval by the Authority, if such approval is required. The Contractor shall provide services under this Contract as of the commencement of the Contract.

3.2 Audit, confidentiality, document retention, and indemnification obligations under this Contract shall survive expiration or termination of the Contract.

4. **Consideration and Payment**

4.1 In consideration of the satisfactory performance of the work set forth in this Contract, the MSA shall pay the Contractor in accordance with the terms of this Contract and at the prices quoted on the Bid Form Price Sheet (Attachment F). Unless properly modified (see above Section 2.3), payment to the Contractor pursuant to this Contract, shall not exceed _____.

Contractor shall notify the Contract Monitor, in writing, at least sixty (60) days before payments reach the above specified amount. After notification by the Contractor, if the MSA fails to increase the Contract amount, the Contractor shall have no obligation to perform under this Contract after payments reach the stated amount; provided, however, that, prior to the stated amount being reached, the Contractor shall: (a) promptly consult with the MSA and work in good faith to establish a plan of action to assure that every reasonable effort has been undertaken by the Contractor to complete MSA -defined critical work in progress prior to the date the stated amount will be reached; and (b) when applicable secure databases, systems, platforms, and/or

applications on which the Contractor is working so that no damage or vulnerabilities to any of the same will exist due to the existence of any such unfinished work.

- 4.2 Payments to the Contractor shall be made no later than thirty (30) days after the MSA's receipt of a proper invoice for services provided by the Contractor, acceptance by the MSA of services provided by the Contractor, and pursuant to the conditions outlined in Section 4 of this Contract. Each invoice for services rendered must include the Contractor's Federal Tax Identification Number which is _____. _____ (Contractor's FEIN or SSN). Charges for late payment of invoices other than as prescribed at Md. Code Ann., State Finance and Procurement Article, §15-104 are prohibited. Invoices shall be submitted to the Contract Monitor. Electronic funds transfer shall be used by the State to pay Contractor pursuant to this Contract and any other State payments due Contractor unless the State Comptroller's Office grants Contractor an exemption.
- 4.3 In addition to any other available remedies, if, in the opinion of the Procurement Officer, the Contractor fails to perform in a satisfactory and timely manner, the Procurement Officer may refuse or limit approval of any invoice for payment, and may cause payments to the Contractor to be reduced or withheld until such time as the Contractor meets performance standards as established by the Procurement Officer.
- 4.4 Payment of an invoice by the MSA is not evidence that services were rendered as required under this Contract.
- 4.4 Contractor's eMarylandMarketplace vendor ID number is _____.

5. Rights to Records

- 5.1 The Contractor agrees that all documents and materials including, but not limited to, software, reports, drawings, studies, specifications, estimates, tests, maps, photographs, designs, graphics, mechanical, artwork, computations, and data prepared by the Contractor for purposes of this Contract shall be the sole property of the MSA and shall be available to the MSA at any time. The MSA shall have the right to use the same without restriction and without compensation to the Contractor other than that specifically provided by this Contract.
- 5.2 The Contractor agrees that at all times during the term of this Contract and thereafter, works created as a deliverable under this Contract, and services performed under this Contract shall be "works made for hire" as that term is interpreted under U.S. copyright law. To the extent that any products created as a deliverable under this Contract are not works made for hire for the State, the Contractor hereby relinquishes, transfers, and assigns to the State all of its rights, title, and interest (including all intellectual property rights) to all such products created under this Contract, and will cooperate reasonably with the State in effectuating and registering any necessary assignments.
- 5.3 The Contractor shall report to the Contract Monitor, promptly and in written detail, each notice or claim of copyright infringement received by the Contractor with respect to all data delivered under this Contract.
- 5.4 The Contractor shall not affix any restrictive markings upon any data, documentation, or other materials provided to the MSA hereunder and if such markings are affixed, the State shall have the right at any time to modify, remove, obliterate, or ignore such warnings.
- 5.5 Upon termination of the Contract, the Contractor, at its own expense, shall deliver any equipment, software or other property provided by the MSA to the place designated by the Procurement Officer.

6. Exclusive Use

The MSA shall have the exclusive right to use, duplicate, and disclose any data, information, documents, records, or results, in whole or in part, in any manner for any purpose whatsoever, that may be created or generated by the Contractor in connection with this Contract. If any material, including software, is capable of being copyrighted, the MSA shall be the copyright owner and Contractor may copyright material connected with this project only with the express written approval of the MSA.

7. Patents, Copyrights, and Intellectual Property

7.1 If the Contractor furnishes any design, device, material, process, or other item, which is covered by a patent, trademark or service mark, or copyright or which is proprietary to, or a trade secret of, another, the Contractor shall obtain the necessary permission or license to permit the MSA to use such item or items.

7.2 The Contractor will defend or settle, at its own expense, any claim or suit against the MSA alleging that any such item furnished by the Contractor infringes any patent, trademark, service mark, copyright, or trade secret. If a third party claims that a product infringes that party's patent, trademark, service mark, trade secret, or copyright, the Contractor will defend the MSA against that claim at Contractor's expense and will pay all damages, costs, and attorneys' fees that a court finally awards, provided the MSA: (a) promptly notifies the Contractor in writing of the claim; and (b) allows Contractor to control and cooperates with Contractor in, the defense and any related settlement negotiations. The obligations of this paragraph are in addition to those stated in Section 7.3 below.

7.3 If any products furnished by the Contractor become, or in the Contractor's opinion are likely to become, the subject of a claim of infringement, the Contractor will, at its option and expense: (a) procure for the MSA the right to continue using the applicable item; (b) replace the product with a non-infringing product substantially complying with the item's specifications; or (c) modify the item so that it becomes non-infringing and performs in a substantially similar manner to the original item.

8. Confidential or Proprietary Information and Documentation

8.1 Subject to the Maryland Public Information Act and any other applicable laws including, without limitation, HIPAA, the HI-TECH ACT, and the Maryland Medical Records Act and the implementation of regulations promulgated pursuant thereto, all confidential or proprietary information and documentation relating to either party (including without limitation, any information or data stored within the Contractor's computer systems) shall be held in absolute confidence by the other party. Each party shall, however, be permitted to disclose relevant confidential information to its officers, agents, and employees to the extent that such disclosure is necessary for the performance of their duties under this Contract, provided that the data may be collected, used, disclosed, stored, and disseminated only as provided by and consistent with the law. The provisions of this section shall not apply to information that: (a) is lawfully in the public domain; (b) has been independently developed by the other party without violation of this Contract; (c) was already in the possession of such party; (d) was supplied to such party by a third party lawfully in possession thereof and legally permitted to further disclose the information; or (e) which such party is required to disclose by law.

8.2 This Section 8 shall survive expiration or termination of this Contract.

9. Loss of Data

In the event of loss of any MSA data or records where such loss is due to the intentional act or omission or negligence of the Contractor or any of its subcontractors or agents, the Contractor shall be responsible for recreating such lost data in the manner and on the schedule set by the Contract Monitor. The Contractor shall ensure that all data is backed up and recoverable by the Contractor. Contractor shall use its best efforts to assure that at no time shall any actions undertaken by the Contractor under this Contract (or any failures to act when Contractor has a duty to act) damage or create any vulnerabilities in data bases, systems, platforms, and/or applications with which the Contractor is working hereunder.

10. Indemnification

- 10.1 The Contractor shall hold harmless and indemnify the MSA, the Baltimore Orioles Limited Partnership (“Orioles”), and their agents and employees from and against any and all losses, damages, claims, suits, actions, liabilities, and/or expenses, including, without limitation, attorneys’ fees and disbursements of any character that arise from, are in connection with or are attributable to the performance or nonperformance of the Contractor or its subcontractors under this Contract.
- 10.2 This indemnification clause shall not be construed to mean that the Contractor shall indemnify the MSA against liability for any losses, damages, claims, suits, actions, liabilities, and/or expenses that are attributable to the sole negligence of the MSA, the Orioles , and its respective employees. .
- 10.3 The MSA has no obligation to provide legal counsel or defense to the Contractor or its subcontractors in the event that a suit, claim, or action of any character is brought by any person not party to this Contract against the Contractor or its subcontractors as a result of or relating to the Contractor’s performance under this Contract.
- 10.4 The MSA has no obligation for the payment of any judgments or the settlement of any claims against the Contractor or its subcontractors as a result of or relating to the Contractor’s performance under this Contract.
- 10.5 The Contractor shall immediately notify the Procurement Officer of any claim or suit made or filed against the Contractor or its subcontractors regarding any matter resulting from, or relating to, the Contractor’s obligations under the Contract, and will cooperate, assist, and consult with the MSA in the defense or investigation of any claim, suit, or action made or filed against the MSA as a result of, or relating to, the Contractor’s performance under this Contract.
- 10.6 This Section 10 shall survive termination of this Contract.

11. Non-Hiring of Employees

No official or employee of the MSA, as defined under Md. Code Ann., State Government Article, § 15-102, whose duties as such official or employee include matters relating to or affecting the subject matter of this Contract, shall, during the pendency and term of this Contract and while serving as an official or employee of the MSA, become or be an employee of the Contractor or any entity that is a subcontractor on this Contract.

12. Disputes

Pending resolution of a claim, the Contractor shall proceed diligently with the performance of the Contract in accordance with the Procurement Officer’s decision. Unless a lesser period is provided by applicable statute, regulation, or the Contract, the Contractor must file a written notice of claim with the Procurement Officer within thirty (30) days after the basis for the claim is known or should have been known, whichever is earlier. Contemporaneously with or within thirty (30) days of the filing of a notice of claim, but no later than the date of final payment under the Contract, the Contractor must submit to the Procurement Officer its written claim containing the information specified in COMAR 21.10.04.02.

13. Maryland Law

- 13.1 This Contract shall be construed, interpreted, and enforced according to the laws of the State of Maryland.
- 13.2 The Md. Code Ann., Commercial Law Article, Title 22, Maryland Uniform Computer Information Transactions Act, does not apply to this Contract or to any purchase order or Notice to Proceed issued under this Contract.
- 13.3 Any and all references to the Maryland Code, Annotated contained in this Contract shall be construed to refer to such Code sections as are from time to time amended.

14. Nondiscrimination in Employment

The Contractor agrees: (a) not to discriminate in any manner against an employee or applicant for employment because of race, color, religion, creed, age, sex, marital status, national origin, ancestry, or disability of a qualified individual with a disability; (b) to include a provision similar to that contained in subsection (a), above, in any underlying subcontract except a subcontract for standard commercial supplies or raw materials; and (c) to post and to cause subcontractors to post in conspicuous places available to employees and applicants for employment, notices setting forth the substance of this clause.

15. Contingent Fee Prohibition

The Contractor warrants that it has not employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency working for the business, to solicit or secure the Contract, and that the business has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency, any fee or any other consideration contingent on the making of this Contract.

16. Non-availability of Funding

If the General Assembly fails to appropriate funds or if funds are not otherwise made available for continued performance for any fiscal period of this Contract succeeding the first fiscal period, this Contract shall be canceled automatically as of the beginning of the fiscal year for which funds were not appropriated or otherwise made available; provided, however, that this will not affect either MSA's rights or the Contractor's rights under any termination clause in this Contract. The effect of termination of the Contract hereunder will be to discharge both the Contractor and the MSA from future performance of the Contract, but not from their rights and obligations existing at the time of termination. The Contractor shall be reimbursed for the reasonable value of any nonrecurring costs incurred but not amortized in the price of the Contract. MSA shall notify the Contractor as soon as it has knowledge that funds may not be available for the continuation of this Contract for each succeeding fiscal period beyond the first.

17. Termination for Cause

If the Contractor fails to fulfill its obligations under this Contract properly and on time, or otherwise violates any provision of the Contract, MSA may terminate the Contract by written notice to the Contractor. The notice shall specify the acts or omissions relied upon as cause for termination. All finished or unfinished work provided by the Contractor shall, at MSA's option, become MSA's property. MSA shall pay the Contractor fair and equitable compensation for satisfactory performance prior to receipt of notice of termination, less the amount of damages caused by the Contractor's breach. If the damages are more than the compensation payable to the Contractor, the Contractor will remain liable after termination and MSA can affirmatively collect damages. Termination hereunder, including the termination of the rights and obligations of the parties, shall be governed by the provisions of COMAR 21.07.01.11B.

18. Termination for Convenience

The performance of work under this Contract may be terminated by the MSA in accordance with this clause in whole, or from time to time in part, whenever the MSA shall determine that such termination is in the best interest of MSA. MSA will pay all reasonable costs associated with this Contract that the Contractor has incurred up to the date of termination, and all reasonable costs associated with termination of the Contract; provided, however, the Contractor shall not be reimbursed for any anticipatory profits that have not been earned up to the date of termination. Termination hereunder, including the determination of the rights and obligations of the parties, shall be governed by the provisions of COMAR 21.07.01.12A(2).

19. Delays and Extensions of Time

The Contractor agrees to prosecute the work continuously and diligently and no charges or claims for damages shall be made by it for any delays, interruptions, interferences, or hindrances from any cause whatsoever during the progress of any portion of the work specified in this Contract.

Time extensions will be granted only for excusable delays that arise from unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, acts of the public enemy, acts of MSA in either its sovereign or contractual capacity, acts of another Contractor in the performance of a contract with the MSA, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, or delays of subcontractors or suppliers arising from unforeseeable causes beyond the control and without the fault or negligence of either the Contractor or the subcontractors or suppliers.

20. Suspension of Work

The MSA unilaterally may order the Contractor in writing to suspend, delay, or interrupt all or any part of its performance for such period of time as the Procurement Officer may determine to be appropriate for the convenience of the MSA.

21. Pre-Existing Regulations

In accordance with the provisions of Md. Code Ann., State Finance and Procurement Article, § 11-206, the regulations set forth in Title 21 of the Code of Maryland Regulations (COMAR 21) in effect on the date of execution of this Contract are applicable to this Contract.

22. Financial Disclosure

The Contractor shall comply with the provisions of Md. Code Ann., State Finance and Procurement Article, § 13-221, which requires that every person that enters into contracts, leases, or other agreements with the State or its agencies during a calendar year under which the business is to receive in the aggregate, \$100,000 or more, shall within thirty (30) days of the time when the aggregate value of these contracts, leases or other agreements reaches \$100,000, file with the Secretary of the State certain specified information to include disclosure of beneficial ownership of the business.

23. Political Contribution Disclosure

The Contractor shall comply with Md. Code Ann., Election Law Article, §§ 14-101 through 14-108, which requires that every person that enters into contracts, leases, or other agreements with the State, a county, or an incorporated municipality, or their agencies, during a calendar year in which the person receives in the aggregate \$100,000 or more, shall, file with the State Board of Elections a statement disclosing contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election. The statement shall be filed with the State Board of Elections: (a) before a purchase or execution of a lease or contract by the State, a county, an incorporated municipality, or their agencies, and shall cover the preceding two calendar years; and (b) if the contribution is made after the execution of a lease or contract, then twice a year, throughout the contract term, on: (i)

February 5, to cover the six (6) month period ending January 31; and (ii) August 5, to cover the six (6) month period ending July 31.

24. Documents Retention and Inspection Clause

The Contractor and subcontractors shall retain and maintain all records and documents relating to this Contract for a period of five (5) years after final payment by MSA hereunder or any applicable statute of limitations or federal retention requirements (such as HIPAA), whichever is longer, and shall make them available for inspection and audit by authorized representatives of the MSA, including the Procurement Officer or designee, at all reasonable times. All records related in any way to the Contract are to be retained for the entire time provided under this section. In the event of any audit, the Contractor shall provide assistance to the MSA, without additional compensation, to identify, investigate, and reconcile any audit discrepancies and/or variances. This Section 24 shall survive expiration or termination of the Contract.

25. Compliance with Laws

The Contractor hereby represents and warrants that:

- 25.1 It is qualified to do business in the State and that it will take such action as, from time to time hereafter, may be necessary to remain so qualified;
- 25.2 It is not in arrears with respect to the payment of any monies due and owing the State, or any MSA or unit thereof, including but not limited to the payment of taxes and employee benefits, and that it shall not become so in arrears during the term of this Contract;
- 25.3 It shall comply with all federal, State and local laws, regulations, and ordinances applicable to its activities and obligations under this Contract; and
- 25.4 It shall obtain, at its expense, all licenses, permits, insurance, and governmental approvals, if any, necessary to the performance of its obligations under this Contract.

26. Cost and Price Certification

By submitting cost or price information, the Contractor certifies to the best of its knowledge that the information submitted is accurate, complete, and current as of the date of its Bid/Proposal.

The price under this Contract and any change order or modification hereunder, including profit or fee, shall be adjusted to exclude any significant price increases occurring because the Contractor furnished cost or price information which, as of the date of its Bid/Proposal, was inaccurate, incomplete, or not current.

27. Subcontracting; Assignment

The Contractor may not subcontract any portion of the services provided under this Contract without obtaining the prior written approval of the Procurement Officer, nor may the Contractor assign this Contract or any of its rights or obligations hereunder, without the prior written approval of the Procurement Officer provided, however, that a contractor may assign monies receivable under a contract after due notice to the MSA. Any subcontracts shall include such language as may be required in various clauses contained within this Contract, exhibits, and attachments. The Contract shall not be assigned until all approvals, documents, and affidavits are completed and properly registered. The MSA shall not be responsible for fulfillment of the Contractor's obligations to its subcontractors.

28. Liability

- 28.1 For breach of this Contract, negligence, misrepresentation, or any other contract or tort claim, Contractor shall be liable as follows:
- a. For infringement of patents, copyrights, trademarks, service marks, and/or trade secrets, as provided in Section 7 of this Contract;
 - b. Without limitation for damages for bodily injury (including death) and damage to real property and tangible personal property; and
 - c. For all other claims, damages, losses, costs, expenses, suits, or actions in any way related to this Contract, regardless of the form. Contractor's liability for third party claims arising under Section 10 of this Contract shall be unlimited if the MSA is not immune from liability for claims arising under Section 10.

29. Intentionally Omitted

30. Commercial Nondiscrimination

- 30.1 As a condition of entering into this Contract, Contractor represents and warrants that it will comply with the State's Commercial Nondiscrimination Policy, as described at Md. Code Ann., State Finance and Procurement Article, Title 19. As part of such compliance, Contractor may not discriminate on the basis of race, color, religion, ancestry or national origin, sex, age, marital status, sexual orientation, or on the basis of disability or other unlawful forms of discrimination in the solicitation, selection, hiring, or commercial treatment of subcontractors, vendors, suppliers, or commercial customers, nor shall Contractor retaliate against any person for reporting instances of such discrimination. Contractor shall provide equal opportunity for subcontractors, vendors, and suppliers to participate in all of its public sector and private sector subcontracting and supply opportunities, provided that this clause does not prohibit or limit lawful efforts to remedy the effects of marketplace discrimination that have occurred or are occurring in the marketplace. Contractor understands that a material violation of this clause shall be considered a material breach of this Contract and may result in termination of this Contract, disqualification of Contractor from participating in State contracts, or other sanctions. This clause is not enforceable by or for the benefit of, and creates no obligation to, any third party.
- 30.2 The Contractor shall include the above Commercial Nondiscrimination clause, or similar clause approved by the MSA, in all subcontracts.
- 30.3 As a condition of entering into this Contract, upon the request of the Commission on Civil Rights, and only after the filing of a complaint against Contractor under Md. Code Ann., State Finance and Procurement Article, Title 19, as amended from time to time, Contractor agrees to provide within sixty (60) days after the request a complete list of the names of all subcontractors, vendors, and suppliers that Contractor has used in the past four (4) years on any of its contracts that were undertaken within the State of Maryland, including the total dollar amount paid by Contractor on each subcontract or supply contract. Contractor further agrees to cooperate in any investigation conducted by the State pursuant to the State's Commercial Nondiscrimination Policy as set forth at Md. Code Ann., State Finance and Procurement Article, Title 19, and to provide any documents relevant to any investigation that are requested by the State. Contractor understands that violation of this clause is a material breach of this Contract and may result in contract termination, disqualification by the State from participating in State contracts, and other sanctions.

31. Prompt Pay Requirements

- 31.1 If the Contractor withholds payment of an undisputed amount to its subcontractor, the MSA, at its option and in its sole discretion, may take one or more of the following actions:
- a. Not process further payments to the contractor until payment to the subcontractor is verified;
 - b. Suspend all or some of the contract work without affecting the completion date(s) for the contract work;
 - c. Pay or cause payment of the undisputed amount to the subcontractor from monies otherwise due or that may become due;
 - d. Place a payment for an undisputed amount in an interest-bearing escrow account; or
 - e. Take other or further actions as appropriate to resolve the withheld payment.
- 31.2 An “undisputed amount” means an amount owed by the Contractor to a subcontractor for which there is no good faith dispute. Such “undisputed amounts” include, without limitation:
- a. Retainage which had been withheld and is, by the terms of the agreement between the Contractor and subcontractor, due to be distributed to the subcontractor; and
 - b. An amount withheld because of issues arising out of an agreement or occurrence unrelated to the agreement under which the amount is withheld.
- 31.3 An act, failure to act, or decision of a Procurement Officer or a representative of the MSA, concerning a withheld payment between the Contractor and a subcontractor under this provision, may not:
- a. Affect the rights of the contracting parties under any other provision of law;
 - b. Be used as evidence on the merits of a dispute between the MSA and the contractor in any other proceeding; or
 - c. Result in liability against or prejudice the rights of the MSA.

32. Damages

32.1 Liquidated Damages. (MBE Program Compliance)

This contract requires the Contractor to make good faith efforts to comply with the Minority Business Enterprise (“MBE”) Program and contract provisions. The State and the Contractor acknowledge and agree that the State will incur damages, including but not limited to loss of goodwill, detrimental impact on economic development, and diversion of internal staff resources, if the Contractor does not make good faith efforts to comply with the requirements of the MBE Program and MBE contract provisions. The parties further acknowledge and agree that the damages the State might reasonably be anticipated to accrue as a result of such lack of compliance are difficult to ascertain with precision.

Therefore, upon a determination by the State that the Contractor failed to make good faith efforts to comply with one or more of the specified MBE Program requirements or contract provisions, the Contractor agrees to pay liquidated damages to the State at the rates set forth below. The Contractor expressly agrees that the State may withhold payment on any invoices as a set-off against liquidated damages owed. The Contractor further agrees that for each specified violation, the agreed upon liquidated damages are reasonably proximate to the loss the State is anticipated to incur as a result of such violation.

- a. Failure to submit each monthly payment report in full compliance with COMAR 21.11.03.13B (3): **\$60.00** per day until the monthly report is submitted as required.
- b. Failure to include in its agreements with MBE subcontractors a provision requiring submission of payment reports in full compliance with COMAR 21.11.03.13B (4): **\$60.00** per MBE subcontractor.

- c. Failure to comply with COMAR 21.11.03.12 in terminating, canceling, or changing the scope of work/value of a contract with an MBE subcontractor and/or amendment of the MBE participation schedule: the difference between the dollar value of the MBE participation commitment on the MBE participation schedule for that specific MBE firm and the dollar value of the work performed by that MBE firm for the contract.
- d. Failure to meet the Contractor's total MBE participation goal and subgoal commitments, the difference between the dollar value of the total MBE participation commitment on the MBE participation schedule and the MBE participation actually achieved.
- e. Failure to promptly pay all undisputed amounts to an MBE subcontractor in full compliance with the prompt payment provisions of this contract: **\$95.00** per day until the undisputed amount due to the MBE subcontractor is paid.

Notwithstanding the use of liquidated damages, the State reserves the right to terminate the contract and exercise all other rights and remedies provided in the contract or by law.”

32.2 Direct Damages

32.1.1 MSA may deduct for direct damages sustained as a result of Contractor's failure to perform as required under this Contract.

32.3 Payment Adjustments.

32.3.1 MSA shall notify the Contractor of each payment adjustment due to the imposition of liquidated or direct damages.

32.3.2 MSA shall provide the Contractor with such evidence as MSA determines is adequate to justify each adjustment.

32.3.3 If the Contractor does not agree with the adjustment or the action taken to obtain the adjustment, the Contractor's sole remedy to resolve the issue is as provided in Article 12 (Disputes) of this Contract.

33. Contract Monitor and Procurement Officer

The work to be accomplished under this Contract shall be performed under the direction of the Contract Monitor. All matters relating to the interpretation of this Contract shall be referred to the Procurement Officer for determination.

34. Novation or Change of Name

A. No Assignment

An MSA contract is not transferable, or otherwise assignable, without the written consent of the procurement officer and approval of the Executive Director provided, however, that a Contractor may assign monies receivable under a contract after due notice to the MSA.

B. Recognition of a Successor in Interest Novation

When in the best interest of the MSA, a successor in interest may be recognized in a novation agreement in which the transferor and the transferee shall agree that:

- a) The transferee assumes all of the transferor's obligations;

- b) The transferor waives all rights under the contract as against the MSA; and
- c) Unless the transferor guarantees performance of the contract by the transferee, the transferee shall, if required, furnish a satisfactory performance bond.

C. Change of Name

When a contractor requests to change the name in which it holds a contract with the MSA, the procurement officer, upon receipt of a document indicating the change of name (for example, an amendment to the articles of incorporation of the corporation) may enter into an agreement with the requesting contractor to effect the change of name contingent upon the approval of the Executive Director. The agreement changing the name specifically shall indicate that no other terms and conditions of the contract are changed.

35. Notices

All notices hereunder shall be in writing and either delivered personally or sent by certified or registered mail, postage prepaid, as follows:

If to the MSA:

John F. Samoryk
 Maryland Stadium Authority
 333 West Camden Street, Suite 500
 Baltimore, Maryland 21201

If to the Contractor: _____

IN WITNESS THEREOF, the parties have executed this Contract as of the date hereinabove set forth.

CONTRACTOR

MARYLAND STADIUM AUTHORITY

 By:

 By: Executive Director

 Date

 Date

ATTACHMENT B – BID/PROPOSAL AFFIDAVIT

A. AUTHORITY

I hereby affirm that I, _____ (name of affiant) am the _____ (title) and duly authorized representative of _____ (name of business entity) and that I possess the legal authority to make this affidavit on behalf of the business for which I am acting.

B. CERTIFICATION REGARDING COMMERCIAL NONDISCRIMINATION

The undersigned Bidder/Offeror hereby certifies and agrees that the following information is correct: In preparing its Bid/Proposal on this project, the Bidder/Offeror has considered all quotes submitted from qualified, potential subcontractors and suppliers, and has not engaged in "discrimination" as defined in § 19-103 of the State Finance and Procurement Article of the Annotated Code of Maryland. "Discrimination" means any disadvantage, difference, distinction, or preference in the solicitation, selection, hiring, or commercial treatment of a vendor, subcontractor, or commercial customer on the basis of race, color, religion, ancestry, or national origin, sex, age, marital status, sexual orientation, or on the basis of disability or any otherwise unlawful use of characteristics regarding the vendor's, supplier's, or commercial customer's employees or owners. "Discrimination" also includes retaliating against any person or other entity for reporting any incident of "discrimination". Without limiting any other provision of the solicitation on this project, it is understood that, if the certification is false, such false certification constitutes grounds for the State to reject the Bid/Proposal submitted by the Bidder/Offeror on this project, and terminate any contract awarded based on the Bid/Proposal. As part of its Bid/Proposal, the Bidder/Offeror herewith submits a list of all instances within the past 4 years where there has been a final adjudicated determination in a legal or administrative proceeding in the State of Maryland that the Bidder/Offeror discriminated against subcontractors, vendors, suppliers, or commercial customers, and a description of the status or resolution of that determination, including any remedial action taken. Bidder/Offeror agrees to comply in all respects with the State's Commercial Nondiscrimination Policy as described under Title 19 of the State Finance and Procurement Article of the Annotated Code of Maryland.

B-1. CERTIFICATION REGARDING MINORITY BUSINESS ENTERPRISES.

The undersigned Bidder/Offeror hereby certifies and agrees that it has fully complied with the State Minority Business Enterprise Law, State Finance and Procurement Article, § 14-308(a)(2), Annotated Code of Maryland, which provides that, except as otherwise provided by law, a contractor may not identify a certified minority business enterprise in a Bid/Proposal and:

- (1) Fail to request, receive, or otherwise obtain authorization from the certified minority business enterprise to identify the certified minority proposal;
- (2) Fail to notify the certified minority business enterprise before execution of the contract of its inclusion in the Bid/Proposal;
- (3) Fail to use the certified minority business enterprise in the performance of the contract; or
- (4) Pay the certified minority business enterprise solely for the use of its name in the Bid/Proposal.

Without limiting any other provision of the solicitation on this project, it is understood that if the certification is false, such false certification constitutes grounds for the State to reject the Bid/Proposal submitted by the Bidder/Offeror on this project, and terminate any contract awarded based on the Bid/Proposal.

B-2. CERTIFICATION REGARDING VETERAN-OWNED SMALL BUSINESS ENTERPRISES.

The undersigned Bidder/Offeror hereby certifies and agrees that it has fully complied with the State veteran-owned small business enterprise law, State Finance and Procurement Article, § 14-605, Annotated Code of Maryland, which provides that a person may not:

- (1) Knowingly and with intent to defraud, fraudulently obtain, attempt to obtain, or aid another person in fraudulently obtaining or attempting to obtain public money, procurement contracts, or funds expended under a procurement contract to which the person is not entitled under this title;
- (2) Knowingly and with intent to defraud, fraudulently represent participation of a veteran-owned small business enterprise in order to obtain or retain a Bid/Proposal preference or a procurement contract;
- (3) Willfully and knowingly make or subscribe to any statement, declaration, or other document that is fraudulent or false as to any material matter, whether or not that falsity or fraud is committed with the knowledge or consent of the person authorized or required to present the declaration, statement, or document;
- (4) Willfully and knowingly aid, assist in, procure, counsel, or advise the preparation or presentation of a declaration, statement, or other document that is fraudulent or false as to any material matter, regardless of whether that falsity or fraud is committed with the knowledge or consent of the person authorized or required to present the declaration, statement, or document;
- (5) Willfully and knowingly fail to file any declaration or notice with the unit that is required by COMAR 21.11.12; or
- (6) Establish, knowingly aid in the establishment of, or exercise control over a business found to have violated a provision of § B-2(1)-(5) of this regulation.

C. AFFIRMATION REGARDING BRIBERY CONVICTIONS

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business (as is defined in Section 16-101(b) of the State Finance and Procurement Article of the Annotated Code of Maryland), or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities including obtaining or performing contracts with public bodies has been convicted of, or has had probation before judgment imposed pursuant to Criminal Procedure Article, § 6-220, Annotated Code of Maryland, or has pleaded nolo contendere to a charge of, bribery, attempted bribery, or conspiracy to bribe in violation of Maryland law, or of the law of any other state or federal law, except as follows (indicate the reasons why the affirmation cannot be given and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of person(s) involved, and their current positions and responsibilities with the business):

D. AFFIRMATION REGARDING OTHER CONVICTIONS

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities including obtaining or performing contracts with public bodies, has:

- (1) Been convicted under state or federal statute of:
 - (a) A criminal offense incident to obtaining, attempting to obtain, or performing a public or private contract; or
 - (b) Fraud, embezzlement, theft, forgery, falsification or destruction of records or receiving stolen property;
- (2) Been convicted of any criminal violation of a state or federal antitrust statute;
- (3) Been convicted under the provisions of Title 18 of the United States Code for violation of the Racketeer Influenced and Corrupt Organization Act, 18 U.S.C. § 1961 et seq., or the Mail Fraud Act, 18 U.S.C. § 1341 et seq., for acts in connection with the submission of Bids/Proposals for a public or private contract;
- (4) Been convicted of a violation of the State Minority Business Enterprise Law, § 14-308 of the State Finance and Procurement Article of the Annotated Code of Maryland;
- (5) Been convicted of a violation of § 11-205.1 of the State Finance and Procurement Article of the Annotated Code of Maryland;
- (6) Been convicted of conspiracy to commit any act or omission that would constitute grounds for conviction or liability under any law or statute described in subsections (1)—(5) above;
- (7) Been found civilly liable under a state or federal antitrust statute for acts or omissions in connection with the submission of Bids/Proposals for a public or private contract;
- (8) Been found in a final adjudicated decision to have violated the Commercial Nondiscrimination Policy under Title 19 of the State Finance and Procurement Article of the Annotated Code of Maryland with regard to a public or private contract; or
- (9) Admitted in writing or under oath, during the course of an official investigation or other proceedings, acts or omissions that would constitute grounds for conviction or liability under any law or statute described in §§ B and C and subsections D(1)—(8) above, except as follows (indicate reasons why the affirmations cannot be given, and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of the person(s) involved and their current positions and responsibilities with the business, and the status of any debarment):

_____.

E. AFFIRMATION REGARDING DEBARMENT

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities, including obtaining or performing contracts with public bodies, has ever been suspended or debarred (including being issued a limited denial of participation) by any public entity, except as follows (list each debarment or suspension providing the dates of the suspension or debarment, the name of the public entity and the status of the proceedings, the name(s) of the person(s) involved and their current positions and responsibilities with the business,

the grounds of the debarment or suspension, and the details of each person's involvement in any activity that formed the grounds of the debarment or suspension).

F. AFFIRMATION REGARDING DEBARMENT OF RELATED ENTITIES

I FURTHER AFFIRM THAT:

(1) The business was not established and it does not operate in a manner designed to evade the application of or defeat the purpose of debarment pursuant to Sections 16-101, et seq., of the State Finance and Procurement Article of the Annotated Code of Maryland; and

(2) The business is not a successor, assignee, subsidiary, or affiliate of a suspended or debarred business, except as follows (you must indicate the reasons why the affirmations cannot be given without qualification):

G. SUBCONTRACT AFFIRMATION

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, has knowingly entered into a contract with a public body under which a person debarred or suspended under Title 16 of the State Finance and Procurement Article of the Annotated Code of Maryland will provide, directly or indirectly, supplies, services, architectural services, construction related services, leases of real property, or construction.

H. AFFIRMATION REGARDING COLLUSION

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business has:

(1) Agreed, conspired, connived, or colluded to produce a deceptive show of competition in the compilation of the accompanying Bid/Proposal that is being submitted;

(2) In any manner, directly or indirectly, entered into any agreement of any kind to fix the Bid/Proposal price of the Bidder/Offeror or of any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the accompanying Bid/Proposal is submitted.

I. CERTIFICATION OF TAX PAYMENT

I FURTHER AFFIRM THAT:

Except as validly contested, the business has paid, or has arranged for payment of, all taxes due the State of Maryland and has filed all required returns and reports with the Comptroller of the Treasury, the State Department of Assessments and Taxation, and the Department of Labor, Licensing, and Regulation, as applicable, and will have paid all withholding taxes due the State of Maryland prior to final settlement.

J. CONTINGENT FEES

I FURTHER AFFIRM THAT:

The business has not employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency working for the business, to solicit or secure the Contract, and that the business has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency, any fee or any other consideration contingent on the making of the Contract.

K. CERTIFICATION REGARDING INVESTMENTS IN IRAN

(1) The undersigned certifies that, in accordance with State Finance and Procurement Article, §17-705, Annotated Code of Maryland:

(a) It is not identified on the list created by the Board of Public Works as a person engaging in investment activities in Iran as described in State Finance and Procurement Article, §17-702, Annotated Code of Maryland; and

(b) It is not engaging in investment activities in Iran as described in State Finance and Procurement Article, §17-702, Annotated Code of Maryland.

2. The undersigned is unable to make the above certification regarding its investment activities in Iran due to the following activities: _____

L. CONFLICT MINERALS ORIGINATED IN THE DEMOCRATIC REPUBLIC OF CONGO (FOR SUPPLIES AND SERVICES CONTRACTS)

I FURTHER AFFIRM THAT:

The business has complied with the provisions of State Finance and Procurement Article, §14-413, Annotated Code of Maryland governing proper disclosure of certain information regarding conflict minerals originating in the Democratic Republic of Congo or its neighboring countries as required by federal law.

M. ACKNOWLEDGEMENT

I ACKNOWLEDGE THAT this Affidavit is to be furnished to the Procurement Officer and may be distributed to units of: (1) the State of Maryland; (2) counties or other subdivisions of the State of Maryland; (3) other states; and (4) the federal government. I further acknowledge that this Affidavit is subject to applicable laws of the United States and the State of Maryland, both criminal and civil, and that nothing in this Affidavit or any contract resulting from the submission of this Bid/Proposal shall be construed to supersede, amend, modify or waive, on behalf of the State of Maryland, or any unit of the State of Maryland having jurisdiction, the exercise of any statutory right or remedy conferred by the Constitution and the laws of Maryland with respect to any misrepresentation made or any violation of the obligations, terms and covenants undertaken by the above business with respect to (1) this Affidavit, (2) the contract, and (3) other Affidavits comprising part of the contract.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: _____ By: _____ (print name of Authorized Representative and Affiant)

_____ (signature of Authorized Representative and Affiant)

ATTACHMENT C – CONTRACT AFFIDAVIT

A. AUTHORITY

I hereby affirm that I, _____ (name of affiant) am the _____(title) and duly authorized representative of _____(name of business entity) and that I possess the legal authority to make this affidavit on behalf of the business for which I am acting.

B. CERTIFICATION OF REGISTRATION OR QUALIFICATION WITH THE STATE MSA OF ASSESSMENTS AND TAXATION

I FURTHER AFFIRM THAT:

The business named above is a (check applicable box):

- (1) Corporation — domestic or foreign;
- (2) Limited Liability Company — domestic or foreign;
- (3) Partnership — domestic or foreign;
- (4) Statutory Trust — domestic or foreign;
- (5) Sole Proprietorship.

and is registered or qualified as required under Maryland Law. I further affirm that the above business is in good standing both in Maryland and (IF APPLICABLE) in the jurisdiction where it is presently organized, and has filed all of its annual reports, together with filing fees, with the Maryland State Department of Assessments and Taxation. The name and address of its resident agent (IF APPLICABLE) filed with the State Department of Assessments and Taxation is:

Name and MSA ID Number: _____ Address: _____

and that if it does business under a trade name, it has filed a certificate with the State Department of Assessments and Taxation that correctly identifies that true name and address of the principal or owner as:

Name and Department ID
Number: _____ Address: _____

C. FINANCIAL DISCLOSURE AFFIRMATION

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, the provisions of State Finance and Procurement Article, §13-221, Annotated Code of Maryland, which require that every business that enters into contracts, leases, or other agreements with the State of Maryland or its agencies during a calendar year under which the business is to receive in the aggregate \$100,000 or more shall, within 30 days of the time when the aggregate value of the contracts, leases, or other agreements reaches \$100,000, file with the Secretary of State of Maryland certain specified information to include disclosure of beneficial ownership of the business.

D. POLITICAL CONTRIBUTION DISCLOSURE AFFIRMATION

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, Election Law Article, §§14-101 — 14-108, Annotated Code of Maryland, which requires that every person that enters into contracts, leases, or other agreements with the State of Maryland, including its agencies or a political subdivision of the State, during a calendar year in which the person receives in the aggregate \$100,000 or more shall file with the State Board of Elections a statement disclosing

contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election.

E. DRUG AND ALCOHOL FREE WORKPLACE

(Applicable to all contracts unless the contract is for a law enforcement agency and the agency head or the agency head's designee has determined that application of COMAR 21.11.08 and this certification would be inappropriate in connection with the law enforcement agency's undercover operations.)

I CERTIFY THAT:

(1) Terms defined in COMAR 21.11.08 shall have the same meanings when used in this certification.

(2) By submission of its Bid/Proposal, the business, if other than an individual, certifies and agrees that, with respect to its employees to be employed under a contract resulting from this solicitation, the business shall:

(a) Maintain a workplace free of drug and alcohol abuse during the term of the contract;

(b) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of drugs, and the abuse of drugs or alcohol is prohibited in the business' workplace and specifying the actions that will be taken against employees for violation of these prohibitions;

(c) Prohibit its employees from working under the influence of drugs or alcohol;

(d) Not hire or assign to work on the contract anyone who the business knows, or in the exercise of due diligence should know, currently abuses drugs or alcohol and is not actively engaged in a bona fide drug or alcohol abuse assistance or rehabilitation program;

(e) Promptly inform the appropriate law enforcement agency of every drug-related crime that occurs in its workplace if the business has observed the violation or otherwise has reliable information that a violation has occurred;

(f) Establish drug and alcohol abuse awareness programs to inform its employees about:

- (i) The dangers of drug and alcohol abuse in the workplace;
- (ii) The business's policy of maintaining a drug and alcohol free workplace;
- (iii) Any available drug and alcohol counseling, rehabilitation, and employee assistance programs; and
- (iv) The penalties that may be imposed upon employees who abuse drugs and alcohol in the workplace;

(g) Provide all employees engaged in the performance of the contract with a copy of the statement required by §E(2)(b), above;

(h) Notify its employees in the statement required by §E(2)(b), above, that as a condition of continued employment on the contract, the employee shall:

- (i) Abide by the terms of the statement; and
- (ii) Notify the employer of any criminal drug or alcohol abuse conviction for an offense occurring in the workplace not later than 5 days after a conviction;

(i) Notify the procurement officer within 10 days after receiving notice under §E(2)(h)(ii), above, or otherwise receiving actual notice of a conviction;

(j) Within 30 days after receiving notice under §E(2)(h)(ii), above, or otherwise receiving actual notice of a conviction, impose either of the following sanctions or remedial measures on any employee who is convicted of a drug or alcohol abuse offense occurring in the workplace:

- (i) Take appropriate personnel action against an employee, up to and including termination; or
- (ii) Require an employee to satisfactorily participate in a bona fide drug or alcohol abuse assistance or rehabilitation program; and

(k) Make a good faith effort to maintain a drug and alcohol free workplace through implementation of §E(2)(a)—(j), above.

(3) If the business is an individual, the individual shall certify and agree as set forth in §E(4), below, that the individual shall not engage in the unlawful manufacture, distribution, dispensing, possession, or use of drugs or the abuse of drugs or alcohol in the performance of the contract.

(4) I acknowledge and agree that:

(a) The award of the contract is conditional upon compliance with COMAR 21.11.08 and this certification;

(b) The violation of the provisions of COMAR 21.11.08 or this certification shall be cause to suspend payments under, or terminate the contract for default under COMAR 21.07.01.11 or 21.07.03.15, as applicable; and

(c) The violation of the provisions of COMAR 21.11.08 or this certification in connection with the contract may, in the exercise of the discretion of the Board of Public Works, result in suspension and debarment of the business under COMAR 21.08.03.

F. CERTAIN AFFIRMATIONS VALID

I FURTHER AFFIRM THAT:

To the best of my knowledge, information, and belief, each of the affirmations, certifications, or acknowledgements contained in that certain Bid/Proposal Affidavit dated _____, 2017, and executed by me for the purpose of obtaining the contract to which this Exhibit is attached remains true and correct in all respects as if made as of the date of this Contract Affidavit and as if fully set forth herein.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: _____

By: _____ (printed name of Authorized Representative and Affiant)

_____ (signature of Authorized Representative and Affiant)

SUBMIT THIS FORM UPON NOTICE OF AWARD OF CONTRACT

**MBE ATTACHMENT __-1A:
MBE UTILIZATION AND FAIR SOLICITATION AFFIDAVIT
& MBE PARTICIPATION SCHEDULE**

PART 1 - INSTRUCTIONS

PLEASE READ BEFORE COMPLETING THIS DOCUMENT

This form includes Instructions and the MBE Utilization and Fair Solicitation Affidavit & MBE Participation Schedule which must be submitted with the bid/proposal. If the bidder/offeror fails to accurately complete and submit this Affidavit and Schedule with the bid or proposal, the Procurement Officer shall deem the bid non-responsive or shall determine that the proposal is not reasonably susceptible of being selected for award.

1. Contractor shall structure its procedures for the performance of the work required in this Contract to attempt to achieve the minority business enterprise (MBE) subcontractor participation goal stated in the Invitation for Bids or Request for Proposals. Contractor agrees to exercise good faith efforts to carry out the requirements set forth in these Instructions, as authorized by the Code of Maryland Regulations (COMAR) 21.11.03.
2. MBE Goals and Subgoals: Please review the solicitation for information regarding the Contract's MBE overall participation goals and subgoals. After satisfying the requirements for any established subgoals, the Contractor is encouraged to use a diverse group of subcontractors and suppliers from the various MBE classifications to meet the remainder of the overall MBE participation goal.
3. MBE means a minority business enterprise that is certified by the Maryland Department of Transportation ("MDOT"). Only MBEs certified by MDOT may be counted for purposes of achieving the MBE participation goals. In order to be counted for purposes of achieving the MBE participation goals, the MBE firm, including a MBE prime, must be MDOT-certified for the services, materials or supplies that it is committed to perform on the MBE Participation Schedule. A firm whose MBE certification application is pending may not be counted.
4. Please refer to the MDOT MBE Directory at <https://mbe.mdot.maryland.gov/directory/> to determine if a firm is certified with the appropriate North American Industry Classification System ("NAICS") Code **and** the product/services description (specific product that a firm is certified to provide or specific areas of work that a firm is certified to perform). For more general information about NAICS codes, please visit <https://www.census.gov/eos/www/naics/>. Only those specific products and/or services for which a firm is certified in the MDOT Directory can be used for purposes of achieving the MBE participation goals. **CAUTION:** If the firm's NAICS Code is in graduated status, such services/products may not be counted for purposes of achieving the MBE participation goals. A NAICS Code is in the graduated status if the term "Graduated" follows the Code in the MDOT MBE Directory.
5. **Guidelines Regarding MBE Prime Self-Performance.** Please note that when a certified MBE firm participates as a prime contractor on a Contract, a procurement agency may count the distinct, clearly defined portion of the work of the Contract that the certified MBE firm performs with its own workforce toward fulfilling up to, but no more than, fifty-percent (50%) of the overall MBE participation goal, including up to one hundred percent (100%) of not more than one of the MBE participation subgoals, if any, established for the Contract.
 - ✓ In order to receive credit for self-performance, an MBE prime must be certified in the appropriate NAICS code to do the work and must list its firm in the MBE Participation

Schedule, including the certification category under which the MBE prime is self-performing and include information regarding the work it will self-perform.

- ✓ For the remaining portion of the overall goal and the remaining subgoals, the MBE prime must also identify on the MBE Participation Schedule the other certified MBE subcontractors used to meet those goals or request a waiver.
- ✓ These guidelines apply to the work performed by the MBE Prime that can be counted for purposes of meeting the MBE participation goals. These requirements do not affect the MBE Prime's ability to self-perform a greater portion of the work in excess of what is counted for purposes of meeting the MBE participation goals.
- ✓ Please note that the requirements to meet the MBE participation overall goal and subgoals are distinct and separate. If the contract has subgoals, regardless of MBE Prime's ability to self-perform up to 50% of the overall goal (including up to 100% of any subgoal), the MBE Prime must either commit to use other MBEs for each of any remaining subgoals or request a waiver. As set forth in Attachment 1-B Waiver Guidance, the MBE Prime's ability to self-perform certain portions of the work of the Contract will not be deemed a substitute for the good faith efforts to meet any remaining subgoal or the balance of the overall goal.
- ✓ In certain instances where the percentages allocated to MBE participation subgoals add up to more than 50% of the overall goal, the portion of self-performed work that an MBE Prime may count toward the overall goal may be limited to less than 50%. Please refer to the Governor's Office of Small Minority & Women Business Affairs' website for the MBE Prime Regulations Q&A for illustrative examples.
http://www.goMDsmallbiz.maryland.gov/Documents/MBE_Toolkit/MBEPrimeRegulation_QA.pdf

6. Subject to items 1 through 5 above, when a certified MBE performs as a participant in a joint venture, a procurement agency may count a portion of the total dollar value of the Contract equal to the distinct, clearly-defined portion of the work of the Contract that the certified MBE performs with its own forces toward fulfilling the Contract goal, and not more than one of the Contract subgoals, if any.

7. The work performed by a certified MBE firm, including an MBE prime, can only be counted towards the MBE participation goal(s) if the MBE firm is performing a commercially useful function on the Contract. Please refer to COMAR 21.11.03.12-1 for more information regarding these requirements.

8. **Materials and Supplies: New Guidelines Regarding MBE Participation.**

- ✓ **Regular Dealers:** Up to 60% of the costs of materials and supplies provided by a certified MBE may be counted towards the MBE participation goal(s) if such MBE is a Regular Dealer of such materials and supplies. Regular Dealer is defined as a firm that owns, operates, or maintains a store, a warehouse, or any other establishment in which the materials, supplies, articles, or equipment are of the general character described by the specifications required under the contract and are bought, kept in stock, or regularly sold or leased to the public in the usual course of business; and does not include a packager, a broker, a manufacturer's representative, or any other person that arranges or expedites transactions. Generally, a Regular Dealer will be identified as a wholesaler or supplier in the MDOT Directory.
- ✓ **Manufacturers:** A certified MBE firm's participation may be counted in full if the MBE is certified in the appropriate NAICS code(s) to provide products and services as a manufacturer.
- ✓ **Brokers:** With respect to materials or supplies purchased from a certified MBE that is neither a manufacturer nor a regular dealer, a unit may apply the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees, or transportation charges for the delivery of materials and supplies required on a

procurement toward the MBE contract goals, provided a unit determines the fees to be reasonable and not excessive as compared with fees customarily allowed for similar services. A unit may not apply any portion of the costs of the materials and supplies toward MBE goals.

- ✓ **Furnish and Install:** The participation of a certified MBE supplier, wholesaler, and/or regular dealer certified in the proper NAICS Code(s) to furnish and install materials necessary for successful contract completion may be counted in full.

9. **Dually certified firms.** An MBE that is certified in more than one subgroup category may only be counted toward goal fulfillment of ONE of those categories with regard to a particular contract.

Example: A woman-owned Hispanic American (dually certified) firm may be used to fulfill the women-owned OR Hispanic American subgoal, but not both on the same contract.

10. **CAUTION:** The percentage of MBE participation, computed using the percentage amounts determined for all of the MBE firms listed in PART 3, MUST meet or exceed the MBE participation goal and subgoals (if applicable) as set forth in PART 2- for this solicitation. If a bidder/offeror is unable to meet the MBE participation goal or any subgoals (if applicable), then the bidder/offeror must request a waiver in PART 2 or the bid will be deemed not responsive, or the proposal not reasonably susceptible of being selected for award. You may wish to use the attached Goal/Subgoal Worksheet to assist in calculating the percentages and confirming that your commitment meets or exceeds the applicable MBE participation goal and subgoals (if any).

11. If you have any questions as to whether a firm is certified to perform the specific services or provide specific products, please contact MDOT's Office of Minority Business Enterprise at 1-800-544-6056 or via email to mbe@mdot.state.md.us sufficiently prior to the submission due date.

Subgoals (if applicable)

Total African American MBE Participation: _____ %
Total Asian American MBE Participation: _____ %
Total Hispanic American MBE Participation: _____ %
Total Women-Owned MBE Participation: _____ %

Overall Goal

Total MBE Participation (include all categories): _____ %

**PART 2 - MBE UTILIZATION AND FAIR SOLICITATION AFFIDAVIT &
MBE PARTICIPATION SCHEDULE**

This MBE Utilization and Fair Solicitation Affidavit and MBE Participation Schedule must be completed in its entirety and included with the bid/proposal. If the bidder/offeror fails to accurately complete and submit this Affidavit and Schedule with the bid or proposal as required, the Procurement Officer shall deem the bid non-responsive or shall determine that the proposal is not reasonably susceptible of being selected for award.

In connection with the bid/proposal submitted in response to Solicitation No. 18-24, I affirm the following:

1. **MBE Participation (PLEASE CHECK ONLY ONE)** I acknowledge and intend to meet IN FULL both the overall certified Minority Business Enterprise (MBE) participation goal of percent with no subgoals:
- 2.

OR

I conclude that I am unable to achieve the MBE participation goal and/or subgoals. I hereby request a waiver, in whole or in part, of the overall goal and/or subgoals I acknowledge that by checking this box and requesting a partial waiver of the stated goal and/or one or more of the stated subgoal(s) if any, I must complete PART 3, the MBE Participation Schedule for the portion of the goal and/or subgoal(s) if any, for which I am not seeking a waiver, in order to be considered for award.

Additional MBE Documentation

I understand that if I am notified that I am the apparent awardee or as requested by the Procurement Officer, I must submit the following documentation within 10 working days of receiving notice of the potential award or from the date of conditional award (per COMAR 21.11.03.10), whichever is earlier:

- (a) Good Faith Efforts Documentation to Support Waiver Request (Attachment ___-1C)
- (b) Outreach Efforts Compliance Statement (Attachment ___-2);
- (c) MBE Subcontractor/MBE Prime Project Participation Statement (Attachments ___-3A and 3B);
- (d) Any other documentation, including additional waiver documentation if applicable, required by the Procurement Officer to ascertain bidder or offeror responsibility in connection with the certified MBE participation goal and subgoals, if any.

I understand that if I fail to return each completed document within the required time, the Procurement Officer may determine that I am not responsible and therefore not eligible for contract award. If the contract has already been awarded, the award is voidable.

Information Provided to MBE firms

In the solicitation of subcontract quotations or offers, MBE firms were provided not less than the same information and amount of time to respond as were non-MBE firms.

PART 3 - MBE PARTICIPATION SCHEDULE

SET FORTH BELOW ARE THE (i) CERTIFIED MBEs I INTEND TO USE, (ii) THE PERCENTAGE OF THE TOTAL CONTRACT VALUE ALLOCATED TO EACH MBE FOR THIS PROJECT AND, (iii) THE ITEMS OF WORK EACH MBE WILL PROVIDE UNDER THE CONTRACT. I HAVE CONFIRMED WITH THE MDOT DATABASE THAT THE MBE FIRMS IDENTIFIED BELOW (INCLUDING ANY SELF-PERFORMING MBE PRIME FIRMS) ARE PERFORMING WORK ACTIVITIES FOR WHICH THEY ARE MDOT-CERTIFIED.

Prime Contractor	Project Description	Project Number

LIST INFORMATION FOR EACH CERTIFIED MBE FIRM YOU AGREE TO USE TO ACHIEVE THE MBE PARTICIPATION GOAL AND SUBGOALS, IF ANY. MBE PRIMES: PLEASE COMPLETE BOTH SECTIONS A AND B BELOW.

SECTION A: For MBE Prime Contractors ONLY (including MBE Primes in a Joint Venture)

<p>MBE Prime Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p> <input type="checkbox"/> African American-Owned <input type="checkbox"/> Hispanic American- Owned <input type="checkbox"/> Asian American-Owned <input type="checkbox"/> Women-Owned <input type="checkbox"/> Other MBE Classification </p>	<p>Percentage of total Contract Value to be performed with own forces and counted towards the MBE overall participation goal (up to 50% of the overall goal): _____% Please refer to Item #8 in PART 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</p> <p> <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer <input type="checkbox"/> Broker <input type="checkbox"/> Furnish and Install <input type="checkbox"/> Services <input type="checkbox"/> Other </p> <p>Percentage of total Contract Value to be performed with own forces and counted towards the subgoal, if any, for my MBE classification (up to 100% of not more than one subgoal): _____%</p> <p>Description of the Work to be performed with MBE prime's own forces:</p> <p>_____</p> <p>_____</p>
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SECTION B: For all Contractors (including MBE Primes and MBE Primes in a Joint Venture)

<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p> <input type="checkbox"/> African American-Owned <input type="checkbox"/> Hispanic American- Owned <input type="checkbox"/> Asian American-Owned <input type="checkbox"/> Women-Owned <input type="checkbox"/> Other MBE Classification </p>	<p>Percentage of total Contract Value to be performed with own forces and counted towards the MBE overall participation goal (up to 50% of the overall goal): _____% Please refer to Item #8 in PART 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</p> <p> <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer <input type="checkbox"/> Broker <input type="checkbox"/> Furnish and Install <input type="checkbox"/> Services <input type="checkbox"/> Other </p> <p>Description of the Work to be Performed:</p> <p>_____</p> <p>_____</p> <p>_____</p>
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<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p>	<p>Percentage of total Contract Value to be performed with own forces and counted towards the MBE overall participation goal (up to 50% of the overall goal): _____% Please refer to Item #8 in PART 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</p> <p><input type="checkbox"/> Supplier</p> <p><input type="checkbox"/> Manufacturer</p> <p><input type="checkbox"/> Broker</p> <p><input type="checkbox"/> Furnish and Install</p> <p><input type="checkbox"/> Services</p> <p><input type="checkbox"/> Other</p> <p>Description of the Work to be Performed:</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p>	<p>Percentage of total Contract Value to be performed with own forces and counted towards the MBE overall participation goal (up to 50% of the overall goal): _____% Please refer to Item #8 in PART 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</p> <p><input type="checkbox"/> Supplier</p> <p><input type="checkbox"/> Manufacturer</p> <p><input type="checkbox"/> Broker</p> <p><input type="checkbox"/> Furnish and Install</p> <p><input type="checkbox"/> Services</p> <p><input type="checkbox"/> Other</p> <p>Description of the Work to be Performed:</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p>	<p>Percentage of total Contract Value to be performed with own forces and counted towards the MBE overall participation goal (up to 50% of the overall goal): _____% Please refer to Item #8 in PART 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</p> <p><input type="checkbox"/> Supplier</p> <p><input type="checkbox"/> Manufacturer</p> <p><input type="checkbox"/> Broker</p> <p><input type="checkbox"/> Furnish and Install</p> <p><input type="checkbox"/> Services</p> <p><input type="checkbox"/> Other</p> <p>Description of the Work to be Performed:</p> <p>_____</p> <p>_____</p> <p>_____</p>

Continue on separate page if needed

I solemnly affirm under the penalties of perjury that: (i) I have reviewed the instructions for the MBE Utilization & Fair Solicitation Affidavit and MBE Schedule, and (ii) the information contained in the MBE Utilization & Fair Solicitation Affidavit and MBE Schedule is true to the best of my knowledge, information and belief.

Bidder/Offeror Name
(PLEASE PRINT OR TYPE)

Signature of Authorized Representative

Address

Printed Name and Title

City, State and Zip Code

Date

SUBMIT THIS AFFIDAVIT WITH BID/PROPOSAL

SUBMIT THIS AFFIDAVIT WITH BID/PROPOSAL

WAIVER GUIDANCE

GUIDANCE FOR DOCUMENTING GOOD FAITH EFFORTS TO MEET MBE PARTICIPATION GOALS

In order to show that it has made good faith efforts to meet the Minority Business Enterprise (MBE) participation goal (including any MBE subgoals) on a contract, the Bidder/Offeror must either (1) meet the MBE Goal(s) and document its commitments for participation of MBE Firms, or (2) when it does not meet the MBE Goal(s), document its Good Faith Efforts to meet the goal(s).

I. Definitions

MBE Goal(s) – “MBE Goal(s)” refers to the MBE participation goal and MBE participation subgoal(s).

Good Faith Efforts – The “Good Faith Efforts” requirement means that when requesting a waiver, the Bidder/Offeror must demonstrate that it took all necessary and reasonable steps to achieve the MBE Goal(s), which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient MBE participation, even if those steps were not fully successful. Whether a Bidder/Offeror that requests a waiver made adequate good faith efforts will be determined by considering the quality, quantity, and intensity of the different kinds of efforts that the Bidder/Offeror has made. The efforts employed by the Bidder/Offeror should be those that one could reasonably expect a Bidder/Offeror to take if the Bidder/Offeror were actively and aggressively trying to obtain MBE participation sufficient to meet the MBE contract goal and subgoals. Mere *pro forma* efforts are not good faith efforts to meet the MBE contract requirements. The determination concerning the sufficiency of the Bidder's/Offeror's good faith efforts is a judgment call; meeting quantitative formulas is not required.

Identified Firms – “Identified Firms” means a list of the MBEs identified by the procuring agency during the goal setting process and listed in the procurement as available to perform the Identified Items of Work. It also may include additional MBEs identified by the Bidder/Offeror as available to perform the Identified Items of Work, such as MBEs certified or granted an expansion of services after the procurement was issued. If the procurement does not include a list of Identified Firms, this term refers to all of the MBE Firms (if State-funded) the Bidder/Offeror identified as available to perform the Identified Items of Work and should include all appropriately certified firms that are reasonably identifiable.

Identified Items of Work – “Identified Items of Work” means the Bid/Proposal items identified by the procuring agency during the goal setting process and listed in the procurement as possible items of work for performance by MBE Firms. It also may include additional portions of items of work the Bidder/Offeror identified for performance by MBE Firms to increase the likelihood that the MBE Goal(s) will be achieved. If the procurement does not include a list of Identified Items of Work, this term refers to all of the items of work the Bidder/Offeror identified as possible items of work for performance by MBE Firms and should include all reasonably identifiable work opportunities.

MBE Firms – “MBE Firms” refers to a firm certified by the Maryland Department of Transportation (“MDOT”) under COMAR 21.11.03. Only MDOT-certified MBE Firms can participate in the State's MBE Program.

II. Types of Actions Agency will Consider

The Bidder/Offeror is responsible for making relevant portions of the work available to MBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available MBE subcontractors and suppliers, so as to facilitate MBE participation. The following is a list of types of actions the procuring agency will consider as part of the Bidder's/Offeror's Good Faith Efforts when the Bidder/Offeror fails to meet the MBE Goal(s). This list is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

A. Identify Bid/Proposal Items as Work for MBE Firms

1. Identified Items of Work in Procurements

(a) Certain procurements will include a list of Bid/Proposal items identified during the goal setting process as possible work for performance by MBE Firms. If the procurement provides a list of Identified Items of Work, the Bidder/Offeror shall make all reasonable efforts to solicit quotes from MBE Firms to perform that work.

(b) Bidders/Offerors may, and are encouraged to, select additional items of work to be performed by MBE Firms to increase the likelihood that the MBE Goal(s) will be achieved.

2. Identified Items of Work by Bidders/Offerors

(a) When the procurement does not include a list of Identified Items of Work or for additional Identified Items of Work, Bidders/Offerors should reasonably identify sufficient items of work to be performed by MBE Firms.

(b) Where appropriate, Bidders/Offerors should break out contract work items into economically feasible units to facilitate MBE participation, rather than perform these work items with their own forces. The ability or desire of a Prime contractor to perform the work of a contract with its own organization does not relieve the Bidder/Offeror of the responsibility to make Good Faith Efforts.

B. Identify MBE Firms to Solicit

1. MBE Firms Identified in Procurements

(a) Certain procurements will include a list of the MBE Firms identified during the goal setting process as available to perform the items of work. If the procurement provides a list of Identified MBE Firms, the Bidder/Offeror shall make all reasonable efforts to solicit those MBE firms.

(b) Bidders/offerors may, and are encouraged to, search the MBE Directory to identify additional MBEs who may be available to perform the items of work, such as MBEs certified or granted an expansion of services after the solicitation was issued.

2. MBE Firms Identified by Bidders/Offerors

(a) When the procurement does not include a list of Identified MBE Firms, Bidders/Offerors should reasonably identify the MBE Firms that are available to perform the Identified Items of Work.

(b) Any MBE Firms identified as available by the Bidder/Offeror should be certified to perform the Identified Items of Work.

C. Solicit MBEs

1. Solicit all Identified Firms for all Identified Items of Work by providing written notice. The Bidder/Offeror should:

(a) provide the written solicitation at least 10 days prior to Bid/Proposal opening to allow sufficient time for the MBE Firms to respond;

(b) send the written solicitation by first-class mail, facsimile, or email using contact information in the MBE Directory, unless the Bidder/Offeror has a valid basis for using different contact information; and

(c) provide adequate information about the plans, specifications, anticipated time schedule for portions of the work to be performed by the MBE, and other requirements of the contract to assist MBE Firms in responding. (This information may be provided by including hard copies in the written solicitation or by electronic means as described in C.3 below.)

2. “All” Identified Firms includes the MBEs listed in the procurement and any MBE Firms you identify as potentially available to perform the Identified Items of Work, but it does not include MBE Firms who are no longer certified to perform the work as of the date the Bidder/Offeror provides written solicitations.

3. “Electronic Means” includes, for example, information provided *via* a website or file transfer protocol (FTP) site containing the plans, specifications, and other requirements of the contract. If an interested MBE cannot access the information provided by electronic means, the Bidder/Offeror must make the information available in a manner that is accessible to the interested MBE.

4. Follow up on initial written solicitations by contacting MBEs to determine if they are interested. The follow up contact may be made:

(a) by telephone using the contact information in the MBE Directory, unless the Bidder/Offeror has a valid basis for using different contact information; or

(b) in writing *via* a method that differs from the method used for the initial written solicitation.

5. In addition to the written solicitation set forth in C.1 and the follow up required in C.4, use all other reasonable and available means to solicit the interest of MBE Firms certified to perform the work of the contract. Examples of other means include:

(a) attending any pre-bid meetings at which MBE Firms could be informed of contracting and subcontracting opportunities; and

(b) if recommended by the procurement, advertising with or effectively using the services of at least two minority focused entities or media, including trade associations, minority/women community organizations, minority/women contractors' groups, and local, state, and federal minority/women business assistance offices listed on the MDOT Office of Minority Business Enterprise website.

D. Negotiate With Interested MBE Firms

Bidders/Offerors must negotiate in good faith with interested MBE Firms.

1. Evidence of negotiation includes, without limitation, the following:

(a) the names, addresses, and telephone numbers of MBE Firms that were considered;

(b) a description of the information provided regarding the plans and specifications for the work selected for subcontracting and the means used to provide that information; and

(c) evidence as to why additional agreements could not be reached for MBE Firms to perform the work.

2. A Bidder/Offeror using good business judgment would consider a number of factors in negotiating with subcontractors, including MBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration.

3. The fact that there may be some additional costs involved in finding and using MBE Firms is not in itself sufficient reason for a Bidder's/Offeror's failure to meet the contract MBE goal(s), as long as such costs are reasonable. Factors to take into consideration when determining whether a MBE Firm's quote is excessive or unreasonable include, without limitation, the following:

(a) the dollar difference between the MBE subcontractor's quote and the average of the other subcontractors' quotes received by the Bidder/Offeror;

(b) the percentage difference between the MBE subcontractor's quote and the average of the other subcontractors' quotes received by the Bidder/Offeror;

(c) the percentage that the MBE subcontractor's quote represents of the overall contract amount;

(d) the number of MBE firms that the Bidder/Offeror solicited for that portion of the work;

(e) whether the work described in the MBE and Non-MBE subcontractor quotes (or portions thereof) submitted for review is the same or comparable; and

(f) the number of quotes received by the Bidder/Offeror for that portion of the work.

4. The above factors are not intended to be mandatory, exclusive, or exhaustive, and other evidence of an excessive or unreasonable price may be relevant.

5. The Bidder/Offeror may not use its price for self-performing work as a basis for rejecting a MBE Firm's quote as excessive or unreasonable.

6. The "average of the other subcontractors' quotes received" by the Bidder/Offeror refers to the average of the quotes received from all subcontractors. Bidder/Offeror should attempt to receive quotes from at least three subcontractors, including one quote from a MBE and one quote from a Non-MBE.

7. A Bidder/Offeror shall not reject a MBE Firm as unqualified without sound reasons based on a thorough investigation of the firm's capabilities. For each certified MBE that is rejected as unqualified or that placed a subcontract quotation or offer that the Bidder/Offeror concludes is not acceptable, the Bidder/Offeror must provide a written detailed statement listing the reasons for this conclusion. The Bidder/Offeror also must document the steps taken to verify the capabilities of the MBE and Non-MBE Firms quoting similar work.

(a) The factors to take into consideration when assessing the capabilities of a MBE Firm, include, but are not limited to the following: financial capability, physical capacity to perform, available personnel and equipment, existing workload, experience performing the type of work, conduct and performance in previous contracts, and ability to meet reasonable contract requirements.

(b) The MBE Firm's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the efforts to meet the project goal.

E. Assisting Interested MBE Firms

When appropriate under the circumstances, the decision-maker will consider whether the Bidder/Offeror:

1. made reasonable efforts to assist interested MBE Firms in obtaining the bonding, lines of credit, or insurance required by the procuring agency or the Bidder/Offeror; and
2. made reasonable efforts to assist interested MBE Firms in obtaining necessary equipment, supplies, materials, or related assistance or services.

III. Other Considerations

In making a determination of Good Faith Efforts the decision-maker may consider engineering estimates, catalogue prices, general market availability and availability of certified MBE Firms in the area in which the work is to be performed, other bids or offers and subcontract bids or offers substantiating significant variances between certified MBE and Non-MBE costs of participation, and their impact on the overall cost of the contract to the State and any other relevant factors.

The decision-maker may take into account whether a Bidder/Offeror decided to self-perform subcontract work with its own forces, especially where the self-performed work is Identified Items of Work in the procurement. The decision-maker also may take into account the performance of other Bidders/Offerors in meeting the contract. For example, when the apparent successful Bidder/Offeror fails to meet the contract goal, but others meet it, this reasonably raises the question of whether, with additional reasonable efforts, the apparent successful Bidder/Offeror could have met the goal. If the apparent successful Bidder/Offeror fails to meet the goal, but meets or exceeds the average MBE participation obtained by other Bidders/Offerors, this, when viewed in conjunction with other factors, could be evidence of the apparent successful Bidder/Offeror having made Good Faith Efforts.

IV. Documenting Good Faith Efforts

At a minimum, a Bidder/Offeror seeking a waiver of the MBE Goal(s) or a portion thereof must provide written documentation of its Good Faith Efforts, in accordance with COMAR 21.11.03.11, within 10 business days after receiving notice that it is the apparent awardee. The written documentation shall include the following:

A. Items of Work (Complete Good Faith Efforts Documentation Attachment D-1C, Part 1)

A detailed statement of the efforts made to select portions of the work proposed to be performed by certified MBE Firms in order to increase the likelihood of achieving the stated MBE Goal(s).

B. Outreach/Solicitation/Negotiation

1. The record of the Bidder's/Offeror's compliance with the outreach efforts prescribed by COMAR 21.11.03.09C(2)(a). **(Complete Outreach Efforts Compliance Statement – Attachment D-2).**

2. A detailed statement of the efforts made to contact and negotiate with MBE Firms including:

(a) the names, addresses, and telephone numbers of the MBE Firms who were contacted, with the dates and manner of contacts (letter, fax, email, telephone, etc.) **(Complete Good Faith Efforts Attachment D-1C- Part 2, and submit letters, fax cover sheets, emails, etc. documenting solicitations);** and

(b) a description of the information provided to MBE Firms regarding the plans, specifications, and anticipated time schedule for portions of the work to be performed and the means used to provide that information.

C. Rejected MBE Firms (Complete Good Faith Efforts Attachment D-1C, Part 3)

1. For each MBE Firm that the Bidder/Offeror concludes is not acceptable or qualified, a detailed statement of the reasons for the Bidder's/Offeror's conclusion, including the steps taken to verify the capabilities of the MBE and Non-MBE Firms quoting similar work.

2. For each certified MBE Firm that the Bidder/Offeror concludes has provided an excessive or unreasonable price, a detailed statement of the reasons for the Bidder's/Offeror's conclusion, including the quotes received from all MBE and Non-MBE firms bidding on the same or comparable work. **(Include copies of all quotes received.)**

3. A list of MBE Firms contacted but found to be unavailable. This list should be accompanied by a MBE Unavailability Certificate (see **D-1B - Exhibit A** to this Part 1) signed by the MBE contractor or a statement from the bidder/offeror that the MBE contractor refused to sign the MBE Unavailability Certificate.

D. Other Documentation

1. Submit any other documentation requested by the Procurement Officer to ascertain the Bidder's/Offeror's Good Faith Efforts.
2. Submit any other documentation the Bidder/Offeror believes will help the Procurement Officer ascertain its Good Faith Efforts.

MBE ATTACHMENT D-1B - Exhibit A
MBE Subcontractor Unavailability Certificate

1. It is hereby certified that the firm of _____

(Name of Minority firm)

located at _____

(Number)

(Street)

(City)

(State)

(Zip)

was offered an opportunity to bid on Solicitation No. _____

in _____ County by _____

(Name of Prime Contractor's Firm)

2. _____ (Minority Firm), is either unavailable for the

work/service or unable to prepare a bid for this project for the following reason(s):

Signature of Minority Firm's MBE Representative _____ **Title** _____ **Date**

CERTIFICATION # -----**MDOT**
TELEPHONE#

.....

3. To be completed by the prime contractor if Section 2 of this form is not completed by the minority firm.

To the best of my knowledge and belief, said Certified Minority Business Enterprise is either unavailable for the work/service for this project, is unable to prepare a bid, or did not respond to a request for a price proposal and has not completed the above portion of this submittal.

Signature of Prime Contractor _____ Title _____ Date

MBE ATTACHMENT D-1C
GOOD FAITH EFFORTS DOCUMENTATION TO SUPPORT WAIVER REQUEST

PAGE __ OF __

Prime Contractor	Project Description	SOLICITATION NUMBER

PARTS 1, 2, AND 3 MUST BE INCLUDED WITH THIS CERTIFICATE ALONG WITH ALL DOCUMENTS SUPPORTING YOUR WAIVER REQUEST.

I affirm that I have reviewed **Attachment D-1B**, Waiver Guidance. I further affirm under penalties of perjury that the contents of Parts 1, 2, and 3 of this **Attachment D-1C** Good Faith Efforts Documentation Form are true to the best of my knowledge, information, and belief.

Company Name

Signature of Representative

Address

Printed Name and Title

City, State and Zip Code

Date

**GOOD FAITH EFFORTS DOCUMENTATION
TO SUPPORT WAIVER REQUEST**

**PART 1 – IDENTIFIED ITEMS OF WORK BIDDER/OFFEROR MADE AVAILABLE
TO MBE FIRMS**

PAGE ___ OF ___

Prime Contractor	Project Description	SOLICITATION NUMBER

Identify those items of work that the Bidder/Offeror made available to MBE Firms. This includes, where appropriate, those items the Bidder/Offeror identified and determined to subdivide into economically feasible units to facilitate the MBE participation. For each item listed, show the anticipated percentage of the total contract amount. It is the Bidder's/Offeror's responsibility to demonstrate that sufficient work to meet the goal was made available to MBE Firms, and the total percentage of the items of work identified for MBE participation equals or exceeds the percentage MBE goal set for the procurement. Note: If the procurement includes a list of Bid/Proposal items identified during the goal setting process as possible items of work for performance by MBE Firms, the Bidder/Offeror should make all of those items of work available to MBE Firms or explain why that item was not made available. If the Bidder/Offeror selects additional items of work to make available to MBE Firms, those additional items should also be included below.

Identified Items of Work	Was this work listed in the procurement?	Does Bidder/Offeror normally self-perform this work?	Was this work made available to MBE Firms? If no, explain why?
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Please check if Additional Sheets are attached.

**GOOD FAITH EFFORTS DOCUMENTATION
TO SUPPORT WAIVER REQUEST**

PART 2 – IDENTIFIED MBE FIRMS AND RECORD OF SOLICITATIONS

PAGE ___ OF ___

Prime Contractor	Project Description	SOLICITATION NUMBER

Identify the MBE Firms solicited to provide quotes for the Identified Items of Work made available for MBE participation. Include the name of the MBE Firm solicited, items of work for which bids/quotes were solicited, date and manner of initial and follow-up solicitations, whether the MBE provided a quote, and whether the MBE is being used to meet the MBE participation goal. MBE Firms used to meet the participation goal must be included on the MBE Participation Schedule. Note: If the procurement includes a list of the MBE Firms identified during the goal setting process as potentially available to perform the items of work, the Bidder/Offeror should solicit all of those MBE Firms or explain why a specific MBE was not solicited. If the Bidder/Offeror identifies additional MBE Firms who may be available to perform Identified Items of Work, those additional MBE Firms should also be included below. Copies of all written solicitations and documentation of follow-up calls to MBE Firms must be attached to this form. This list should be accompanied by a Minority Contractor Unavailability Certificate signed by the MBE contractor or a statement from the Bidder/Offeror that the MBE contractor refused to sign the Minority Contractor Unavailability Certificate (see **Attachment D-1B – Exhibit A**). If the Bidder/Offeror used a Non-MBE or is self-performing the identified items of work, Part 3 must be completed.

Name of Identified MBE Firm & MBE Classification	Describe Item of Work Solicited	Initial Solicitation Date & Method	Follow-up Solicitation Date & Method	Details for Follow-up Calls	Quote Rec'd	Quote Used	Reason Quote Rejected
Firm Name: <hr/> MBE Classification (Check only if requesting waiver of MBE subgoal.) <input type="checkbox"/> African American-Owned <input type="checkbox"/> Hispanic American-Owned <input type="checkbox"/> Asian American-Owned <input type="checkbox"/> Women-Owned <input type="checkbox"/> Other MBE Classification		Date: <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Date: <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Time of Call: Spoke With: <input type="checkbox"/> Left Message	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Used Other MBE <input type="checkbox"/> Used Non-MBE <input type="checkbox"/> Self-performing
Firm Name: <hr/> MBE Classification (Check only if requesting waiver of MBE subgoal.) <input type="checkbox"/> African American-Owned <input type="checkbox"/> Hispanic American-Owned <input type="checkbox"/> Asian American-Owned <input type="checkbox"/> Women-Owned <input type="checkbox"/> Other MBE Classification		Date: <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Date: <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Time of Call: Spoke With: <input type="checkbox"/> Left Message	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Used Other MBE <input type="checkbox"/> Used Non-MBE <input type="checkbox"/> Self-performing

Please check if Additional Sheets are attached.

**GOOD FAITH EFFORTS DOCUMENTATION
TO SUPPORT WAIVER REQUEST**

PART 3 – ADDITIONAL INFORMATION REGARDING REJECTED MBE QUOTES

PAGE __ OF __

Prime Contractor	Project Description	SOLICITATION NUMBER

This form must be completed if Part 2 indicates that a MBE quote was rejected because the Bidder/Offeror is using a Non-MBE or is self-performing the Identified Items of Work. Provide the Identified Items Work, indicate whether the work will be self-performed or performed by a Non-MBE, and if applicable, state the name of the Non-MBE. Also include the names of all MBE and Non-MBE Firms that provided a quote and the amount of each quote.

Describe Identified Items of Work Not Being Performed by MBE (Include spec/section number from Bid/Proposal)	Self-performing or Using Non-MBE (Provide name)	Amount of Non-MBE Quote	Name of Other Firms who Provided Quotes & Whether MBE or Non-MBE	Amount Quoted	Indicate Reason Why MBE Quote Rejected & Briefly Explain
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non-MBE _____	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non-MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non-MBE _____	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non-MBE _____	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non- MBE _____	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non- MBE _____	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non- MBE _____	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other

Please check if Additional Sheets are attached.

MBE ATTACHMENT D-2

OUTREACH EFFORTS COMPLIANCE STATEMENT

Complete and submit this form within 10 Business Days of notification of apparent award or actual award, whichever is earlier.

In conjunction with the Bid/Proposal submitted in response to Solicitation No. _____, I state the following:

1. Bidder/Offeror identified subcontracting opportunities in these specific work categories:

2. Attached to this form are copies of written solicitations (with bidding/proposal instructions) used to solicit certified MBE firms for these subcontract opportunities.

3. Bidder/Offeror made the following attempts to personally contact the solicited MDOT-certified MBE firms:

4. **Please Check One:**

- This project does not involve bonding requirements.
- Bidder/Offeror assisted MDOT-certified MBE firms to fulfill or seek waiver of bonding requirements.
(DESCRIBE EFFORTS):

5. **Please Check One:**

- Bidder/Offeror did attend the pre-bid/pre-proposal conference.
- No pre-Bid/pre-Proposal meeting/conference was held.
- Bidder/Offeror did not attend the pre-Bid/pre-Proposal conference.

Company Name

Signature of Representative

Address

Printed Name and Title

City, State and Zip Code

Date

MBE SUBCONTRACTOR PROJECT PARTICIPATION CERTIFICATION

PLEASE COMPLETE AND SUBMIT ONE FORM FOR EACH CERTIFIED MBE FIRM LISTED ON THE MBE PARTICIPATION SCHEDULE (ATTACHMENT D-1A) WITHIN 10 BUSINESS DAYS OF NOTIFICATION OF APPARENT AWARD. IF THE BIDDER/OFFEROR FAILS TO RETURN THIS AFFIDAVIT WITHIN THE REQUIRED TIME, THE PROCUREMENT OFFICER MAY DETERMINE THAT THE BIDDER/OFFEROR IS NOT RESPONSIBLE AND THEREFORE NOT ELIGIBLE FOR CONTRACT AWARD.

Provided that _____ (Prime Contractor’s Name) is awarded the State Contract in conjunction with Solicitation No. _____, such Prime Contractor intends to enter into a subcontract with _____ (Subcontractor’s Name) committing to participation by the MBE firm _____ (MBE Name) with MDOT Certification Number _____ which will receive at least \$ _____ which equals to ___% of the Total Contract Amount for performing the following products/services for the Contract:

NAICS CODE	WORK ITEM, SPECIFICATION NUMBER, LINE ITEMS OR WORK CATEGORIES (IF APPLICABLE)	DESCRIPTION OF SPECIFIC PRODUCTS AND/OR SERVICES

Each of the Contractor and Subcontractor acknowledges that, for purposes of determining the accuracy of the information provided herein, the Procurement Officer may request additional information, including, without limitation, copies of the subcontract agreements and quotes. Each of the Contractor and Subcontractor solemnly affirms under the penalties of perjury that: (i) the information provided in this MBE Subcontractor Project Participation Affidavit is true to the best of its knowledge, information and belief, and (ii) has fully complied with the State Minority Business Enterprise law, State Finance and Procurement Article §14-308(a)(2), Annotated Code of Maryland which provides that, except as otherwise provided by law, a contractor may not identify a certified minority business enterprise in a Bid/Proposal and:

- (1) fail to request, receive, or otherwise obtain authorization from the certified minority business enterprise to identify the certified Minority Business Enterprise in its Bid/Proposal;
- (2) fail to notify the certified Minority Business Enterprise before execution of the Contract of its inclusion of the Bid/Proposal;
- (3) fail to use the certified Minority Business Enterprise in the performance of the Contract; or
- (4) pay the certified Minority Business Enterprise solely for the use of its name in the Bid/Proposal.

<p>PRIME CONTRACTOR Signature of Representative: _____ Printed Name and Title: _____ Firm’s Name: _____ Federal Identification Number: _____ Address: _____ Telephone: _____ Date: _____</p>	<p>SUBCONTRACTOR Signature of Representative: _____ Printed Name and Title: _____ Firm’s Name: _____ Federal Identification Number: _____ Address: _____ Telephone: _____ Date: _____</p>
--	---

MBE ATTACHMENT D-3B
MBE PRIME - PROJECT PARTICIPATION CERTIFICATION

PLEASE COMPLETE AND SUBMIT THIS FORM TO ATTEST EACH SPECIFIC ITEM OF WORK THAT YOUR MBE FIRM HAS LISTED ON THE MBE PARTICIPATION SCHEDULE (ATTACHMENT D-1A) FOR PURPOSES OF MEETING THE MBE PARTICIPATION GOALS. THIS FORM MUST BE SUBMITTED WITHIN 10 BUSINESS DAYS OF NOTIFICATION OF APPARENT AWARD. IF THE BIDDER/OFFEROR FAILS TO RETURN THIS AFFIDAVIT WITHIN THE REQUIRED TIME, THE PROCUREMENT OFFICER MAY DETERMINE THAT THE BIDDER/OFFEROR IS NOT RESPONSIBLE AND THEREFORE NOT ELIGIBLE FOR CONTRACT AWARD.

Provided that _____ (Prime Contractor's Name) with Certification Number _____ is awarded the State contract in conjunction with Solicitation No. _____, such MBE Prime Contractor intends to perform with its own forces at least \$_____ which equals to ___% of the Total Contract Amount for performing the following products/services for the Contract:

NAICS CODE	WORK ITEM, SPECIFICATION NUMBER, LINE ITEMS OR WORK CATEGORIES (IF APPLICABLE). FOR CONSTRUCTION PROJECTS, GENERAL CONDITIONS MUST BE LISTED SEPARATELY.	DESCRIPTION OF SPECIFIC PRODUCTS AND/OR SERVICES	VALUE OF THE WORK

<p>MBE PRIME CONTRACTOR Signature of Representative: _____ Printed Name and Title: _____ Firm's Name: _____ Federal Identification Number: _____ Address: _____ Telephone: _____ Date: _____</p>
--

ATTACHMENT E – PRE-BID CONFERENCE RESPONSE FORM

**Solicitation Number 18-024
Lower Concourse Domestic Water Re-Piping
Oriole Park at Camden Yards**

A Pre-Bid Conference will be held **December 5, 2017 at 11:00 a.m. (Local Time)** in the Office of MSA, 333 West Camden Street, Suite 500, Baltimore, Maryland 21201. Please return this form **by December 4, 2017** advising whether or not you plan to attend.

Return via e-mail or fax this form to the Procurement Officer:

Sandra Fox
Maryland Stadium Authority
333 West Camden Street
Baltimore, Maryland 21201
Office Phone: (410) 223-4130
Email: sfox@mdstad.com
Fax #:410-333-1888

Please indicate:

_____ Yes, the following representatives will be in attendance:

- 1.
- 2.
- 3.

_____ No, we will not be in attendance.

Please specify whether any reasonable accommodations are requested (see IFB § 1.6 “Pre-Bid Conference”):

Signature Title

Name of Firm (please print)

ATTACHMENT F – BID PRICING INSTRUCTIONS

In order to assist Bidders in the preparation of their Bid and to comply with the requirements of this solicitation, Bid Pricing Instructions and a Bid Form Price Sheet have been prepared. Bidders shall submit their Bid on the Bid Form Price Sheet in accordance with the instructions on the Bid Form and as specified herein. Do not alter the Bid Form or the Bid Form Price Sheet may be rejected. The Bid Form is to be signed and dated, where requested, by an individual who is authorized to bind the Bidder to the prices entered on the Bid Form.

The Bid Form is used to calculate the Bidder's TOTAL BID PRICE. Follow these instructions carefully when completing your Bid Form:

- A) All Unit and Extended Prices must be clearly entered in dollars and cents, e.g., \$24.15. Make your decimal points clear and distinct.
- B) All Unit Prices must be the actual price per unit the State will pay for the specific item or service identified in this IFB and may not be contingent on any other factor or condition in any manner.
- C) All calculations shall be rounded to the nearest cent, i.e., .344 shall be .34 and .345 shall be .35.
- D) Any goods or services required through this IFB and proposed by the vendor at **No Cost to the MSA** must be clearly entered in the Unit Price, if appropriate, and Extended Price with **\$0.00**.
- E) Every blank in every Bid Form shall be filled in. Any blanks may result in the Bid being regarded as non-responsive and thus rejected. Any changes or corrections made to the Bid Form by the Bidder prior to submission shall be initialed and dated.
- F) Except as instructed on the Bid Form, nothing shall be entered on or attached to the Bid Form that alters or proposes conditions or contingencies on the prices. Alterations and/or conditions usually render the Bid non-responsive, which means it will be rejected.
- G) It is imperative that the prices included on the Bid Form have been entered correctly and calculated accurately by the Bidder and that the respective total prices agree with the entries on the Bid Form. Any incorrect entries or inaccurate calculations by the Bidder will be treated as provided in COMAR 21.05.03.03E and 21.05.02.12, and may cause the Bid to be rejected.
- H) If option years are included, Bidders must submit pricing for each option year. Any option to renew will be exercised at the sole discretion of the MSA and will comply with all terms and conditions in force at the time the option is exercised. If exercised, the option period shall be for a period identified in the IFB at the prices entered in the Bid Form.
- I) All Bid prices entered below are to be fully loaded prices that include all costs/expenses associated with the provision of services as required by the IFB. The Bid price shall include, but is not limited to, all: labor, profit/overhead, general operating, administrative, and all other expenses and costs necessary to perform the work set forth in the solicitation. No other amounts will be paid to the Contractor. If labor rates are requested, those amounts shall be fully-loaded rates; no overtime amounts will be paid.
- J) Unless indicated elsewhere in the IFB, sample amounts used for calculations on the Bid Form are typically estimates for bidding purposes only. The MSA does not guarantee a minimum or maximum number of units or usage in the performance of this Contract.
- K) Failure to adhere to any of these instructions may result in the Bid being determined non-responsive and rejected by the MSA.

ATTACHMENT F – BID FORM

The Bid Form Price Sheet shall contain all price information in the format specified on these pages. Complete the Bid Form only as provided in the Bid Pricing Instructions. Do not amend, alter or leave blank any items on the Bid Form. Failure to adhere to any of these instructions may result in the bid being determined non-responsive and rejected by the MSA.

**Maryland Stadium Authority
Invitation for Bid Project No.: 18-024
CONTRACT TITLE: Lower Concourse Domestic Water Re-Piping**

BID DUE DATE: No later than December 21, 2017 by 2:00 p.m. (Local Time)

In response to Invitation for Bids (IFB) MSA Project No.: 18-024 the following bid is submitted by:

Company Name: _____

Printed or Typed Name: _____ Title: _____

Authorized Signature: _____ Date: _____

The **UNDERSIGNED** agrees to furnish all supervision, labor, materials, travel, insurance, equipment and services necessary for Lower Concourse Domestic Water Re-Piping at the Oriole Park at Camden Yards as indicated in this IFB, in accordance with the specifications detailed herein and all other contract documents for the prices shown below.

MSA of General Services Certified Small business? _____ Yes _____ No

Small Business Reserve (SBR) Number: _____

Minority Business Enterprise (MBE) Firm: _____ Yes _____ No

MBE Certification No.: _____ MBE Classification Code: _____

The **UNDERSIGNED** hereby declares to have carefully examined the specifications and has carefully examined the Contract Documents and inspected the sites where the proposed work will be performed, and has accepted all terms and conditions outlined in the specifications.

The award of this contract will be made to a responsive and responsible vendor whose bid is determined to be the most advantageous to the MSA, in accordance with the specifications outlined within the solicitation.

Note: The Bid Form Price Sheet is a separate attachment and must be downloaded from eMaryland Marketplace (<http://emaryland.buyspeed.com/bso/>) or the website of MSA (www.mdstad.com) and click on “Contracting Opportunities.”)

ATTACHMENT G – CONTRACTOR’S QUALIFICATIONS STATEMENT

This is a separate attachment and must be downloaded from eMaryland Marketplace () or the website of MSA (www.mdstad.com) and click on “Contracting Opportunities.”)

ATTACHMENT I – CONFLICT OF INTEREST AFFIDAVIT AND DISCLOSURE

Reference COMAR 21.05.08.08

A. "Conflict of interest" means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the State, or the person's objectivity in performing the contract work is or might be otherwise impaired, or a person has an unfair competitive advantage.

B. "Person" has the meaning stated in COMAR 21.01.02.01B(64) and includes a Bidder/Offeror, Contractor, consultant, or subcontractor or sub-consultant at any tier, and also includes an employee or agent of any of them if the employee or agent has or will have the authority to control or supervise all or a portion of the work for which a Bid/Proposal is made.

C. The Bidder/Offeror warrants that, except as disclosed in §D, below, there are no relevant facts or circumstances now giving rise or which could, in the future, give rise to a conflict of interest.

D. The following facts or circumstances give rise or could in the future give rise to a conflict of interest (explain in detail—attach additional sheets if necessary):

E. The Bidder/Offeror agrees that if an actual or potential conflict of interest arises after the date of this affidavit, the Bidder/Offeror shall immediately make a full disclosure in writing to the procurement officer of all relevant facts and circumstances. This disclosure shall include a description of actions which the Bidder/Offeror has taken and proposes to take to avoid, mitigate, or neutralize the actual or potential conflict of interest. If the contract has been awarded and performance of the contract has begun, the Contractor shall continue performance until notified by the procurement officer of any contrary action to be taken.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: _____ By: _____
(Authorized Representative and Affiant)

SUBMIT THIS AFFIDAVIT WITH BID

ATTACHMENT J – CERTIFICATION REGARDING INVESTMENT ACTIVITIES IN IRAN

Ref: Maryland Board of Public Works Advisory Number 2013-1

- 1. The undersigned certifies that, in accordance with State Finance & Procurement Article, §17-705:
 - (i) it is not identified on the list (see NOTE below) created by the Board of Public Works as a person engaging in investment activities in Iran as described in §17-702 of State Finance & Procurement Article; and
 - (ii) it is not engaging in investment activities in Iran as described in State Finance & Procurement Article, §17-702.

Or;

- 2. The undersigned is unable make the above certification regarding its investment activities in Iran due to the following activities:

Signature:

Date Signed:

Name of Authorized Representative

NOTE: List is available at: www.bpw.state.md.us
 Click on Advisories
 Scroll Down to “2013-I”
 Click On “IAI LIST”

MARYLAND STADIUM AUTHORITY



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**MARYLAND STADIUM AUTHORITY
GENERAL CONDITIONS FOR MAINTENANCE CONTRACTS**

1. Definitions

A. Wherever in these General Provisions or in other contract documents the following terms or abbreviations are used, the meaning shall be as follows:

B. Oriole Park at Camden Yards

Definitions

Agreement - Contract.

Award – The decision by MSA to execute a purchase agreement or contract after all necessary approvals have been obtained.

Bid/Offer – A statement of price, terms of sale, and description of the supplies, services, or construction related services submitted to the State, in response to an Invitation for Bids or offers under procurement by competitive sealed bidding or comparable small procurement procedures.

BPW – The Board of Public Works of the State of Maryland.

Business – Any corporation, partnership, individual, sole proprietorship, joint venture, or any other legal entity through which commercial activity is conducted.

Change Order – A written order signed by the responsible Procurement Officer, directing a Contractor to make changes which the changes clause of a contract authorizes the Procurement Officer to order with or without the consent of the Contractor.

Code – The Annotated Code of Maryland.

COMAR – Code of Maryland Regulations.

Construction – The process of building, adding, altering, converting, relocating, renovating, replacing, repairing, improving, demolishing or restoring of real property in which MSA has an interest.

Contract – Any agreement entered into by MSA for the acquisition of supplies, services, construction, or any other item, including:

- (1) Awards and notices of award;
- (2) Contracts of a fixed-price, cost-reimbursement, cost-plus-a-fixed-fee, fixed-price incentive, or cost-plus incentive fee type;
- (3) Contract providing for the issuance of job or task orders;
- (4) Leases;
- (5) Letter contracts;
- (6) Purchase orders;
- (7) Supplemental agreements with respect to any of these;
- (8) Orders; and
- (9) Grants.

Contract Affidavit – An affidavit in compliance with, and in substantially the same form as set forth in COMAR 21.05.08.07 and any amendments thereto.

Contract Modification – Any written alteration in the specifications, delivery point, date of delivery, contract period, price, quantity, or other provision of any existing contract, whether accomplished in accordance with a contract provision, or by mutual action of the parties to the Contract. It includes Change Orders, Extra Work Orders, Supplemental Agreements, Contract amendments, reinstatements, or options/renewals.

Contractor – Any person (see definition of Person) having a contract with MSA. Contractor does not include any employees claiming such status pursuant to any collective bargaining agreement.

Day – Calendar day unless otherwise designated.

Engineer – Any person designated by MSA or the Procurement Officer, acting directly or through the duly authorized representative, such representative acting within the scope of the assigned duties or authority.

Extension – As applied to contracts for the performance of maintenance work or services, means a change in the scope of services to be performed by the Contractor by including in the Contract a requirement for the performance of phases of services not previously included.

Extra Work Order – Change Order

Firm – Business

Inspector – The authorized representative of the procurement officer assigned to make detailed inspections of any or all portions of the work, or materials thereof.

Invitation for Bids – Any document, whether attached or incorporated by reference, used for soliciting bids under procurement by competitive sealed bidding and small procurement including requests for quotations.

Maintenance – Any work or services necessary for the continued operation or upkeep of a facility, structure, building, grounds, or building system, including built-in equipment or an in-ground system.

Minority Business Enterprise – Any legal entity, other than a joint venture, organized to engage in commercial transactions, which is at least 51 percent owned and controlled by one or more minority persons, or a non-profit entity organized to promote the interests of the physically or mentally disabled and is —Certified by the Maryland MSA of Transportation (MDOT). Certified means that MDOT, through established procedures, has determined that a legal entity is a minority business enterprise.

Minority Person – A member of a socially or economically disadvantaged minority group, including African Americans/Black (not of Hispanic origin), Hispanic American, Asian American, Native American, Alaska natives, Asians, Pacific Islanders, Women, and the Physically or Mentally Disabled.

Notice to Proceed – A written notice to the Contractor of the date on or before which the Contractor shall begin performing the work to be done under the contract.

Offeror – A person or entity that responds to a Proposal and desires to enter into a contract with MSA.

Payment Bond – Security as stated in COMAR 21.06.07.01B as a guarantee that Contractor will pay in full all bills and accounts for materials and labor used in the work, as provided by law.

Performance Bond – Security as stated in COMAR 21.06.07.01B, guaranteeing complete performance of the Contract.

Person – Any individual or a corporation, partnership, sole proprietorship, joint stock company, joint venture, unincorporated association, union, committee, club or other organization or legal entity.

Plans – The official drawings issued by MSA as part of the contract documents, including those incorporated in the contract documents by referenced.

Price Proposal – A contractor written price derivation response, with required support documentation and affidavits, to MSA request for price from a Contractor technically selected for a specific Project. The Price Proposal shall be signed by the person(s) required to legally bind the Contractor to the proposal.

Procurement Officer – Any person authorized by a State agency in accordance with law or regulations to formulate, enter into, or administer contracts or make written determinations and findings with respect to them. The term also includes an authorized representative acting within the limits of authority.

Proposal – The response by an Offeror to a solicitation of the Jurisdiction for a supply or service. The response may include, but is not limited to, an Offeror's price and terms for the proposed Contract, a description of technical expertise, work experience and other information as requested in the solicitation.

Public Improvement – The construction, maintenance and repair of any building, structure or other public work now or hereafter constructed or acquired by the State or MSA.

Quotation – Bid/Offer.

Invitation for Bids – Any document, whether attached or incorporated by reference, used for soliciting bids under procurement by competitive sealed bids, noncompetitive negotiations, multi-step and comparable small procurement procedures.

Resident Business – A business enterprise that has a Maryland address, is registered to do business in the State of Maryland, employs Maryland residents, and regularly conducts business within the State. The term include subsidiaries, divisions and branches of a business enterprise headquartered outside of the State of Maryland.

Responsible Bidder or Offeror – A person who has the capability in all respects to perform fully the Contract requirements, and the integrity and reliability which will assure good faith performance.

Services – The rendering of a person’s time, effort or work, rather than the furnishing of a specific physical product other than reports incidental to the required performance of services. It includes, but is not limited to, professional, personal and/or contractual services provided by attorneys, architects, engineers, accountants, physicians, consultants, appraisers, land surveyors, and property management, where the service is associated with the provision of expertise and/or labor.

Specification – A written description of functional characteristics, or the nature of an item to be procured. It may include a statement of any of the user’s requirements and may provide for inspection, testing, or preparation of an item before procurement. Procedures to accomplish tasks may be included.

Solicitation – Invitation for bids, Request for Proposals, or any other method or instrument used to provide public notice and advertisement of a Jurisdiction’s intent to procure supplies, services, and construction.

State – The State of Maryland.

State Agency – Any administration, agency, association, authority, board, bureau, college, commission, committee, council, foundations, fund, MSA, institute, institution, public corporation, service, trust, university, or other unit of the Executive Branch of the State Government and including any subunit within any of the foregoing.

Subcontractor – Any person undertaking a part of the work under the terms of the Contract, by virtue of an agreement with the Contractor, who, prior to such undertaking, receives the approval of the surety and MSA.

Superintendent – The executive representative of the Contractor authorized to receive and execute instructions from the Contractor Monitor who shall supervise and direct the work.

Supplemental Agreement – Any contract modification which is accomplished by the mutual action of the parties.

Supplemental Specification – Additions and revisions to the Standard Specifications.

Work – The furnishing of all labor, materials, equipment, and other incidentals necessary to the successful completion of the project and the carrying out of all the duties and obligations imposed by the Contract.

Any reference to one gender shall be deemed to include the other gender, unless the Contract clearly requires otherwise.

2. Preparation of Bid/Proposal

Offeror shall submit its bid/proposal upon the forms furnished by MSA, carefully following bid preparation instructions provided. A completed Bid/Proposal Affidavit is an essential part of the proposal submission.

A completed Contract Affidavit will be required of the successful Offeror before issuance of notice to proceed.

Offerors should give specific attention to the identification of those portions of their proposals which they deem to be confidential, proprietary information or trade secrets and provide any written justification of why such materials, upon request, should not be disclosed by the State under the Maryland Public Information Act, Section 10-611 et seq. of the State Government Article of the Annotated Code of Maryland.

3. Site Investigation

The Contractor acknowledges that he has investigated and satisfied himself as to the conditions affecting the work, including but not restricted to those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads and uncertainties of weather, river stages, tides or similar physical conditions at the site, the conformation and conditions of the ground, the character of equipment and facilities needed preliminary to and during prosecution of the work.

The Contractor further acknowledges that he has satisfied himself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done by the State, as well as from information presented by the drawings and specifications made a part of this Contract. Any failure by the Contractor to acquaint himself with the available information may not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work. The State assumes no responsibility for any conclusions or interpretations made by the Contractor on the basis of the information made available by the State.

4. Performance and Payment Bonds

A. Bid Bonds

A bid bond is not required for this solicitation.

B. Performance Bonds

A performance bond may be required for task orders valued in excess of \$50,000.00 in the amount equal to at least 100 percent of the task order. If required, the performance bond shall be delivered by the Contractor to MSA no later than ten (10) days after the Contract is executed. If a Contractor fails to deliver the required performance bond, the contract may be rescinded by MSA, bid security shall be enforced, and the award of the Contract shall be made to the next lowest responsible and responsive offeror.

C. Payment Bonds

A payment bond may be required for a task order in excess of \$50,000.00 in the amount equal to at least 100 percent of the Contract price. If required by the Special Provisions of the Contract, the payment bond shall be delivered by the Contractor to MSA no later than the ten (10) days after the Contract is executed. If a Contractor fails to deliver the required payment bond, the contract may be rescinded by MSA, bid security shall be enforced, and award of the Contract shall be made to the next lowest responsible and responsive offeror.

D. Acceptable Security

Acceptable security for bid, performance and payment bonds shall be as set forth in COMAR 21.06.07.01B.

5. Contingent Fee Prohibition

- A. The Contractor warrants that it has not employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency working for the contractor to solicit or secure this Contract, and that it has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide agent, bona fide salesperson or commercial selling agency, any fee or other consideration contingent on the making of this Contract.
- B. For breach or violation of this warranty, MSA shall have the right to terminate this Contract without liability, or, in its discretion, to deduct from the Contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

6. Cost and Price Certification

- A. The Contractor, by submitting cost or price information, certifies that, to the best of its knowledge, the information submitted is accurate, complete, and current as of a mutually determined specified date prior to the conclusion of any price discussions or negotiations for:
 - (1) A negotiated Contract, if the total Contract price is expected to exceed \$100,000, or a smaller amount set by the Procurement Officer; or
 - (2) A change order or contract modification, expected to exceed \$100,000, or a smaller amount set by the Procurement Officer.
- B. The price, including profit or fee, shall be adjusted to exclude any significant price increases occurring because the Contractor furnished cost or price information which, as of the date agreed upon between the parties, was inaccurate, incomplete, or not current.

7. Contract Administration

This Contract may be administered on behalf of MSA, by the Contract Administrator and Contract Monitor.

8. Authority of the Procurement Officer

- A. The Procurement Officer shall decide all questions which may arise as to the quality and acceptability of work performed and as to the rate of progress of said work; all questions which may arise as to the interpretation of any or all plans and/or specifications; and all questions as to the acceptable fulfillment of the terms of the Contract on the part of the Contractor.
- B. The Procurement Officer shall determine the amount of work performed to be paid for under the Contract.
- C. The Procurement Officer shall have the authority to suspend the work wholly or in part due to the failure of the Contractor to carry out provisions of the Contract.
- D. The Procurement Officer may authorize progress payments for work satisfactorily completed, subject to such retainage that the Procurement Officer deems appropriate.

9. Corporate Registration and Tax Payment Certification

Corporations are required to execute a Certification of Corporation Registration and Tax Payment.

10. Compliance With Laws

The Contractor hereby represents and warrants that:

- A. It is qualified to do business in the State of Maryland and that it will take such action as, from time to time hereafter, may be necessary to remain so qualified;
- B. It is not in arrears with respect to the payment of any monies due and owing the State of Maryland, or any MSA or unit thereof, including, but not limited to, the payment of taxes and employee benefits, and that it shall not become so in arrears during the term of this Contract;
- C. It shall comply with all federal, State and local laws, regulations and ordinances applicable to its activities and obligations under this Contract; and
- D. It shall procure, at its expense, all licenses, permits, insurance, and governmental approvals, if any, necessary to the performance of its obligations under this Contract.

11. Initiation of Work

The Contractor shall not commence performance of the Work or Services until it receives a formal written Notice to Proceed from the MSA.

12. Notice to Proceed and Completion of the Work

After the Contract has been executed, MSA will, within the time limit specified elsewhere in the Contract documents, issue to the Contractor a Notice to Proceed stipulating the date on or before which the Contractor shall begin Work. The specified Contract time shall begin on the first day that the Contract Work (other than the erection of the inspector's office, construction stakeout, and mobilization) actually starts or on the day stipulated in the Notice to Proceed, whichever is earlier. Any preliminary work started, or materials ordered, before receipt of the Notice to Proceed, shall be at the Contractor's sole risk.

The Contractor shall begin Work promptly within the time specified by the Procurement Officer and shall notify the Procurement Officer at least forty-eight (48) hours before starting Work. The Contractor shall submit a progress schedule, in writing, to the Procurement Officer within ten (10) days from the date of the Notice to Proceed. This schedule shall be updated and revised to reflect all changes affecting the job progress.

After the work has once been started, it shall be conducted continuously on all acceptable working days without stoppage until the entire Contract is complete. Should the progress of the Work for any reason be discontinued, the Contractor shall notify the Procurement Officer of his intention to stop and shall also notify the Procurement Officer at least twenty-four (24) hours in advance of resuming operations. Said notification shall be confirmed in writing, by the Contractor.

13. Conformity with Contract Requirements

(1) All Work performed and all materials furnished shall be in conformity with the Contract requirements. In the event the Procurement Officer finds the materials or the finished product in which the materials are used or the Work performed do not conform to the Contract requirements and have resulted in an inferior or unsatisfactory product, the Work or materials shall be removed and replaced or otherwise corrected by and at the expense of the Contractor.

(2) In the event the Procurement Officer finds the materials or the finished product in which the materials are used are not in conformity with the Contract requirements but that acceptable work has been produced, the Procurement Officer shall then make a determination if the work shall be accepted. In this event, the Procurement Officer will document the basis of acceptance by a change order which may provide for an equitable adjustment in the Contract price. Any action taken pursuant to this paragraph may not result in an increase of the Contract price.

(3) When any material is specified in the Contract by proprietary name, trade name, and/or name of manufacturer with or without the addition of such expressions as —or equal or —or approved equal, it is to be understood that the material named or the equal thereof is intended, subject to the approval of the Procurement Officer as to the quality thereof; and it is distinctly understood: (a) that the Procurement Officer is to exercise independent judgment in determining, from time to time, whether or not any material proposed to be substituted is the equal of any material so specified; (b) that the decision of the Procurement Officer on all such questions of equality shall be final; and (c) that, in the event of any adverse decision by the Procurement Officer, no claim of any sort shall be made or allowed against the Procurement Officer, or the Jurisdiction, because of such decision.

(4) The offeror of an alternative to a material specified will raise the presumption that any such substitution is for the purpose of saving money. If, in such a case, the material is approved, MSA shall be given credit in the amount of the difference between the net cost to the Contractor of the material submitted and the price at which he could have obtained the lowest priced material specified. For convenience in checking the credit, if any, the Contractor shall submit these figures when the offer of substitution is made, and no material shall be considered without such figures.

(5) The word — equal, wherever used in this Paragraph 13, subsection entitled —Equal or Approved Equal, shall be taken to mean any article, material or thing.

14. Inspection of Work

All materials and each part or detail of the Work shall be subject at all times to inspection by the Procurement Officer, or other appropriate persons from MSA, and the Contractor shall be held strictly to the Contract including allowable tolerances, quality of materials and workmanship, and the diligent execution of the Contract. Such inspection may include mill, plant or shop inspection. Any material furnished under the Contract is subject to such inspection. The Procurement Officer, or other appropriate person from MSA, shall be allowed access to all parts of the Work and shall be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection.

If the Procurement Officer so requests, the Contractor, at any time before the MSA's acceptance of the Work, shall remove or uncover such portions of the finished Work as may be directed. After inspection, the Contractor shall restore said portions of the Work to the standards required by the Contract. Should the Work thus expose or inspected prove acceptable, adjustments in the Contract time and price will be made by Change Order for the uncovering or removing, and the replacing of the covering or making good of the parts removed. Should the Work so exposed or examined prove unacceptable, the uncovering, removing and/or replacing, shall be at the Contractor's sole expense.

When the United States Government or any railroad, corporation or other agency is to pay a portion of the cost of the Work covered by this Contract, a representative of any such entity shall have the right to inspect the Work.

15. Removal of Defective Work

All Work and materials which do not conform to the requirements of the Contract shall be considered unacceptable, unless otherwise determined acceptable under the provisions in Section 13 herein.

Any defective Work, whether the result of poor workmanship, use of defective materials, damage through carelessness or any other cause, found to exist, shall be removed and replaced by Work and materials which shall conform to the specifications or shall be remedied otherwise in an acceptable manner authorized by the Procurement Officer. Upon any failure by the Contractor to comply promptly with any order of the Procurement Officer made under the provisions of this Paragraph 15, the Procurement Officer shall have the authority to cause defective Work to be remedied or removed and replaced and unauthorized Work to be removed, and to deduct the costs attributable to such corrective notions from any monies due or to become due to Contractor under this Contract.

16. Discrepancies in Contract Documents

In the event the Contractor discovers any discrepancies in the Contract documents, the Contractor shall immediately notify the Procurement Officer. The Procurement Officer will then make such corrections and interpretations as may be deemed necessary for fulfilling the intent of the Contract. In the event of a conflict between these General Conditions and any other provisions of the Contract documents, these General Conditions shall prevail unless such other provision expressly provides to the contrary.

17. Cooperation by Contractor

The Contractor shall give the Work the constant attention necessary to facilitate the progress thereof, and shall cooperate with the Procurement Officer and MSA's inspector in every way possible.

The Contractor shall assign to the Contract, as his agent, a competent superintendent capable of communicating in English, capable of reading and thoroughly understanding the Contract documents, and thoroughly experienced in the type of work being performed, who shall receive instructions from the Procurement Officer or an authorized MSA representative. The superintendent shall have full authority to execute the orders or directions of the Procurement Officer without delay, and to promptly supply such materials, equipment, tools, labor and incidentals as may be required. Such superintendent(s) shall be furnished irrespective of the amount of Work sublet.

18. Cooperation with Utilities

The Contractor has considered in its bid all of the permanent and temporary utility appurtenances in their present or relocated positions. No additional compensation shall be allowed for normal delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility appurtenances or the operation of moving them.

The Contractor shall have sole responsibility for notifying all affected utility companies prior to the necessity of performing any work on their utilities and shall cooperate with them in achieving the desired results. All damage to utility facilities caused by the Contractor's operations shall be the sole responsibility of the Contractor.

In the event of interruption to utility service as a result of accidental breakage or as a result of being exposed or unsupported, the Contractor shall promptly notify the proper authority and shall cooperate with said authority in the restoration of service. No Work shall be undertaken around fire hydrants until provisions for continued services have been approved by the local fire authority.

19. Cooperation Between Contractors

A. Separate Contractors on adjoining or overlapping work shall cooperate with each other as necessary. Such cooperation shall include but is not limited to, (1) arrangement and conduct of Work, and (2) storage and disposal of materials, etc., by each in such a manner as to not

unnecessarily interfere with or hinder the progress of the work being performed by other Contractors. Contiguous Work shall be joined in an acceptable manner.

- B. MSA shall have the right, at any time, to contract for and perform other work on, near, over or under the Work covered by this Contract. In addition, other work may be performed under the direction of another Jurisdiction. The Contractor shall cooperate fully with such other contractors and carefully fit its own Work to such other work as may be directed by the Procurement Officer.
- C. In the event of disputes as to cooperation, the Procurement Officer shall act as referee and decisions made by the Procurement Officer will be binding. The Contractor shall make no claims against the MSA for any inconvenience, delay or loss experienced by the Contractor because of the presence and/or operations of other contractors.

20. MSA Furnished Material

The Contractor shall furnish all materials required to complete the Work, except those specified to be furnished by MSA. Materials furnished by the MSA will be delivered or made available to the Contractor at the point or points specified in the Special Provisions. All costs of handling and placing all materials, after delivery to the Contractor, are included in the Contract price for the item in connection with which they are used.

The Contractor is responsible for all delivered material. Deductions shall be made from any monies due him to make good any shortages and deficiencies, and for any damage which may occur after such delivery from any cause whatsoever, and for any demurrage charges.

In cases where materials are supplied by MSA and incorporated in the Contract Work by **the Contractor, materials inspection and acceptance will not be a prerequisite for** acceptance of the final product as the product pertains to these items.

21. Indemnification and Insurance

A. Responsibility for Claims and Liability

The Contractor(s) shall protect, defend, indemnify, save harmless, release and discharge MSA, its officers, agents, and employees from and against all claims, suits, judgments, expenses, actions, damages and costs of every name and description arising out of or resulting from errors, omissions, negligent acts, negligent performance or nonperformance of any rights or obligations of the Contractor or those of his subcontractors, agents or employees under this Contract, or arising from or based on the violation of applicable federal, State or local law, ordinance, regulations, order or decree, whether by himself or his employees or subcontractors.

Further, the Contractor shall pay any claims for personal injury, bodily injury or property damage which the Contractor is legally obligated to pay and shall indemnify MSA, its officers, agents and employees from any third party claim seeking such damages. The provisions of this Paragraph shall survive termination or expiration of this Contract with respect to any liability arising prior to such termination or expiration.

B. Insurance Requirements

The Contractor shall carry and maintain in full force and effect for the duration of this Contract, and any supplement or extension thereto, the insurance coverage sufficient to protect

MSA, the State, and their officers, agents, employees, invitees, successors and assigns, from claims which may arise out of or as a result of the Contractor's activities under this Contract.

The Contractor shall obtain and maintain at least the minimum levels of insurance specified, and any other coverage specified by MSA, in the amounts specified elsewhere in the Contract documents. The Contractor shall submit to MSA a certificate of insurance indicating the existence of coverage required by this provision. Policies shall be issued by an insurance company authorized to do business in the State of Maryland and approved by MSA.

(1) Comprehensive General Liability Insurance

Occurrence form of comprehensive General Liability Insurance with Comprehensive Board Form endorsement including, but not limited to, coverage for damage to persons or property arising out of or relating to the performance of work under this Contract by the Contractor, its subcontractors, employees and agents.

(2) Professional Liability Insurance

Professional Liability Insurance Policy which covers the Indemnification Clause of this Contract (Paragraph 21.A above) as it relates to errors, omissions, negligent acts or negligent performance in the Work performed under this Contract by the Contractor, its subcontractors, employees and agents.

(3) Worker's Compensation Insurance

Worker's compensation as required by the laws of the State of Maryland, including Employer's Liability Coverage and coverage for the benefits set forth under the U.S. Longshoremen and Harbor Workers Compensation Act, the Jones Act, and other federal laws where applicable.

(4) Comprehensive Automobile Liability Insurance

Comprehensive Business Automobile Liability covering use of any motor vehicle to be used in conjunction with this Contract, including hire automobiles and non-owned automobiles. Loading and unloading of any motor vehicle shall be covered by endorsement to the automobile liability policy or policies.

Prior to the start of Work on any contract, the Contractor shall submit to the Procurement Officer Certificate(s) of Insurance demonstrating that the Contractor carries insurance against the risks and in the amounts specified elsewhere in the Contract. If at any time during the term of the Contract any of the above required insurance policies are canceled, terminated or modified so that the insurance is not in full force and effect as required herein, MSA may terminate this Contract for default, or, at its sole option, MSA may obtain insurance coverage equal to that required herein, the full cost of which shall be charged and paid for by the Contractor.

22. Responsibility for Damage Claim

- A. The Contractor shall protect, defend, indemnify, save harmless, release and discharge the State and all of its representatives from all suits, actions, or claims of any character brought on account of any injuries or damages sustained by any person or property in consequence of any neglect in safeguarding the Work or through the use of unacceptable materials in the construction of the improvement, or on account of any act or omission by the said Contractor, or as a result of faulty, inadequate or improper temporary drainage during construction, or on account of the use, misuse, storage or handling of explosives, or on account of any claims or amounts recovered for any

infringement of patent, trademark, or copyright, or from any claims or amounts arising or recovered under the Workers' Compensation Laws, or any other law, bylaw, ordinance, order or decree or any claims, suits, judgments, expenses, actions, damages and costs arising from or based on the violation of any federal,

State or local law, ordinance, regulation, order or decree, whether by himself or its employees or subcontractors. The Contractor shall be responsible for all damage or injury to property of any character during the prosecution of the Work resulting from any act, omission, neglect or misconduct, in the manner or method of executing said work satisfactorily or due to the non-execution of said Work or at any time due to defective work or materials and said responsibility shall continue until the improvement shall have been completed and accepted.

- B. The Contractor shall not be held responsible for any claims arising from accidents incurred because of any traffic and/or general use permitted during the time the project or any section thereof is open to traffic except from accidents which are attributable to the Contractor's negligence.

23. Assignment

The Contractor shall not assign this Contract in whole or in part, or any monies due or to become due under this Contract without the prior written consent of MSA. Any attempted assignment without such consent is void ab initio. In the event that the Contractor assigns all or any part of the monies due or to become due under this Contract, the instrument of assignment shall contain a clause providing that the right of the assignee in and to any monies due or to become due to the Contractor shall be subject to prior claims of all persons, firms and corporations for services rendered or materials supplied for the performance of the Work called for in this Contract.

24. General Guaranty

Neither the final acceptance of the Work nor payment thereof nor any provision in the Contract documents nor partial or entire use of the Work by MSA shall constitute an acceptance of work which is not performed in accordance with the Contract documents or relieve the Contractor of liability for any express warranties or responsibility for faulty materials or workmanship. The Contractor shall remedy any defects in the Work, and pay for any damage to other Work resulting from defects in the Work which shall appear within a period of one (1) year from the date of final acceptance of Work, unless a longer period is specified. MSA shall give notice of observed defects with reasonable promptness.

25. Final Acceptance and Payment

Upon completion of all the Work under this Contract, the Contract Administrator shall make a final inspection of the entire Work and direct the Contractor to take any corrective action to properly complete the Work. Once the Contract Administrator is satisfied that the Work is properly completed, the Contract Administrator shall certify to MSA, in writing, the final acceptance of the entire project. MSA, upon receipt and approval of said certificate, shall pay, or cause to be paid, to the Contractor, the whole amount of money then due the Contractor under the terms of the Contract.

26. Personal Liability of Public Officials

In carrying out any of the provisions of the Contract, or in exercising any power or authority granted to them by or within the scope of the Contract, there shall be no liability upon MSA, Procurement Officer or other authorized representatives, either personally or as officials of the State. It is understood that in all such matters they act solely as authorized agents and representatives of the State.

27. Approval Authority

This Contract is subject to any Change Order, Contract Modification, or amendment thereto, and is subject to the approval requirements established by the Authority. The Contract shall be considered to bind the parties hereto in accordance with the Constitution and Laws of the State of Maryland.

28. Remedies and Termination

A. Termination for Default

If the Contractor fails to fulfill its obligations under this Contract properly and on time, or otherwise violates any provision of the Contract, the MSA may terminate the Contract by written notice to the Contractor. The notice shall specify the acts of mission relied on as cause for termination. All finished or unfinished supplies and services provided by the Contractor shall, at the MSA's option, become the MSA's property. MSA shall pay the Contractor fair and equitable compensation for satisfactory performance prior to receipt of notice of termination, less the amount of damages caused by Contractor's breach. If the damages are more than the compensation payable to the Contractor, the Contractor will remain liable after termination and MSA can affirmatively collect damages. Termination hereunder, including the determination of the rights and obligations of the parties shall be governed by the provisions of COMAR, Title 21.07.01.11B.

B. Termination for Convenience of the State

The performance of Work under this Contract may be terminated by MSA in accordance with this clause in whole, or from time to time in part, whenever MSA shall determine that such termination is in the best interest of MSA.

MSA will pay all reasonable costs associated with this Contract that the Contractor has incurred up to the date of termination and all reasonable costs associated with termination of the Contract. However, the Contractor shall not be reimbursed for any anticipatory profits that have not been earned up to the date of termination. Termination hereunder, including the determination of the rights and obligations of the parties, shall be governed by the provisions of COMAR 21.07.01.12A.

29. Delays and Extension of Time

The Contractor agrees to prosecute the Work continuously and diligently and no charges or claims for damages shall be made by it for any delays or hindrances, from any cause whatsoever, during the progress of any portion of the Work specified in this Contract.

Time extensions will be granted only for excusable delays that arise from unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, acts of the public enemy, acts of MSA in either its sovereign or contractual capacity, acts of another contractor in the performance of a contract with MSA State, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, or delays of subcontractors or supplies arising from unforeseeable causes beyond the control and without the fault or negligence of either the Contractor or the subcontractors or suppliers.

30. Differing Site Conditions

- A. The Contractor shall, within ten (10) days of discovering any of the following conditions, and before such conditions are disturbed, notify the Procurement Officer in writing of: (1) subsurface or latent physical conditions at the site differing materially from those indicated in this Contract; (2) unknown physical conditions at the site of an unusual nature, differing materially from those indicated in this Contract; or (3) unknown physical conditions at the site of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Contract.

Upon receipt of such written notice, the Procurement Officer shall promptly investigate the conditions, and if he or she finds such conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the work under this Contract, whether or not changed as a result of such conditions, an equitable adjustment shall be made and the Contract modified in writing accordingly.

- B. No claim of the Contractor under this clause shall be allowed unless the Contractor has given the notice required in A. above; provided, however, the time prescribed therefore may be extended MSA.
- C. No claim by the Contractor for an equitable adjustment hereunder shall be allowed if asserted after final payment under this Contract.

31. Changes

- A. The Procurement Officer unilaterally may, at any time, without notice to the sureties, if any, by written order designated or indicated to be a Change Order, make any change in the Work within the general scope of the Contract, including but not limited to changes:

1. In the specifications (including drawings and designs);
2. In the method or manner or performance of the Work;
3. In the State-furnished facilities, equipment, materials, services, or site; or
4. In any acceleration in the performance of the Work.

- B. Any other written order or an oral order including a direction, instruction, interpretation or determination from the Procurement Officer that causes any such change, shall be treated as a Change Order under this clause, provided that the Contractor gives the Procurement Officer written notice stating the date, circumstances, and source of the order and that the Contractor regards the order as a Change Order.

- C. Except as herein provided, no order, statement, or conduct of the Procurement Officer shall be treated as a Change Order under this clause or entitle the Contractor to an equitable adjustment hereunder.

- D. Subject to subparagraph F. herein, if any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for, the performance of any part of the Work under this Contract, whether or not changed by any order, an equitable adjustment shall be made and the Contract modified in writing accordingly: provided, however, that except for claims based on defective Specifications, no claim for any change under **B.** above shall be allowed for any costs incurred more than twenty (20) days before the Contractor gives written notice as therein required; and provided further, that in the case of defective specifications for which the State is responsible, the equitable adjustment shall include any increase cost reasonably incurred by the Contractor in attempting to comply with such defective Specifications.

- E. If the Contractor intends to assert a claim for an equitable adjustment under this clause, the Contractor shall, within thirty (30) days after receipt of a written Change Order under A. above or the furnishing of written notice under B. above, submit to the Procurement Officer a written statement setting forth the general nature and monetary extent of such claim, unless this period is extended by the State. The statement of claim hereunder may be included in the notice under B. above.
- F. Each Contract modification or Change Order that affects Contract price shall be subject to the prior written approval of the Procurement Officer and other appropriate authorities and to prior certification of the modification or Change Order on the project budget or the total construction cost. If, according to the certification of the fiscal authority, the Contract Modification or Change Order will cause an increase in cost that will exceed budgeted and available funds, the modification or Change Order may not be made unless sufficient additional funds are made available or the scope of the project is adjusted to permit its completion within the project budget.
- G. No claim by the Contractor for an equitable adjustment hereunder shall be allowed if asserted after final payment under this Contract.

32. Intentionally Omitted

33. Suspension of Work

- A. The Procurement Officer unilaterally may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work for such period of time as the Procurement Officer may determine to be appropriate for the convenience of MSA.
- B. If the performance of all or any part of the Work is, for an unreasonable period of time, suspended, delayed, or interrupted by an act of the Procurement Officer in the administration of this Contract or by his/her failure to act within the time specified in this Contractor (or if no time is specified, within a reasonable time) an adjustment shall be made for any increase in the cost of performance of this Contract (excluding profit) necessarily caused by such unreasonable suspension, delay, or interruption and the contract modified in writing accordingly. No adjustment shall be made under this clause for any suspension, delay, or interruption to the extent: (1) that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor or (2) for which any equitable adjustment is provided for or excluded under any other provision of this Contract.
- C. No claim under this clause shall be allowed (1) for any costs incurred more than twenty (20) days before the Contractor shall have notified the Procurement Officer in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order), and (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of such suspension, delay, or interruption, but no later than the date of final payment under the Contract.

34. Intentionally Omitted

35. Intentionally Omitted

36. Sanctions Upon Improper Acts

In the event the Contractor, or any of its officers, partners, principals or employees, is convicted of a crime arising out of, or in connection with, the procurement of work to be done or payment to be made under this Contract, the Contract may, in the discretion of the MSA, be terminated for default under Paragraph 28A herein. The following sections of the Annotated Code of Maryland and COMAR are incorporated herein by reference:

Section 16-203 of State Finance and Procurement Article of the Annotated Code of Maryland, and COMAR 21.08, which relate to contracts with persons convicted of bribery, attempted bribery or conspiracy to bribe.

Section 11-205 of State Finance and Procurement Article of the Annotated Code of Maryland and COMAR 21.08.03 relating to collusion for purposes of defrauding the State.

Subtitle 08 of Title 21 of COMAR, —Disqualification, Suspension, Debarment, Reinstatement, and Sanctions.

37. Non-Hiring of Employees

Non employee of the State of Maryland or any unit thereof, whose duties as such employee include matters relating to or affecting the subject matter of this Contract, shall, while so employed, become or be an employee of the party or parties hereby contracting with the State of Maryland or any unit thereof.

38. Conflict of Interest Law

It is unlawful for any State officer, employee, or agent to participate personally in an official capacity through decision, approval, disapproval, recommendation, advice, or investigation in any contract or other matter in which he/she, his/her spouse, parent, minor child, brother or sister, has a financial interest or to which any firm, corporation, association or other organization in which he has a financial interest or in which he/she is serving as an officer, director, trustee, partner, or employee is a party, or to which any person or organization with whom he/she is negotiating or has any arrangement concerning prospective employment, is a party, unless such officer, employee or agent has previously complied with the provisions of Article 40A, Subsection 3-101 et seq. of Annotated Code of Maryland.

39. Registration

Pursuant to Subsection 7-201 et seq. of the Corporations and Associations Article of the Annotated Code of Maryland, corporations not incorporated in the State shall be registered with the State MSA of Assessments and Taxation, 301 W. Preston Street, Baltimore, Maryland 21201, before doing any inter-state or foreign business in this State. Before doing any intra-state business in this State, a foreign corporation shall qualify with the MSA of Assessments and Taxation.

40. Taxes – Responsibility for Payment, Exemption, Forms to be Filed, etc.

The Contractor is responsible for, and by submitting a bid, agrees to pay all retail sales, income, real estate, sales and use, transportation and special taxes applicable to and assessable against any materials, equipment, processes and operations incident to or involved in the work. The Contractor is responsible for ascertaining and acquainting himself with such taxes and making all necessary arrangements to pay same.

The jurisdiction hereby reserves the right to withhold final payment under this Contract until the Contractor and any subcontractor performing any duties under this Contract have furnished or caused to be furnished to the Comptroller of the State of Maryland all properly completed forms required by the said Comptroller and until all of said retail sales and/or use taxes due the State of Maryland by the Contractor have been paid and the Contractor exhibits a release or receipt from the Comptroller evidencing such payment.

41. Tax Exemption

The State is generally exempt from federal excise taxes, Maryland sales and use taxes, and District of Columbia sales taxes and transportation taxes. Exemption certificates shall be completed upon request. Where a Contractor is required to furnish and install material in the construction or improvement of real property in the performance of a Contract, the Contractor shall pay the Maryland sales tax applicable to such material and the State's exemption does not apply.

42. Specifications

All materials, equipment, supplies of services shall conform to federal and State laws and regulations and to the Specifications contained in the solicitation.

43. Delivery

Delivery shall be made in accordance with the Contract Specifications. MSA reserves the right to test any materials, equipment, supplies or services delivered to determine if the Specifications have been met. Any material that is defective or fails to meet the terms of the Specifications shall be rejected. Rejected materials shall be promptly replaced by the Contractor or, in MSA's sole discretion, by MSA at the Contractor's sole cost.

In the event the Contractor does not replace rejected materials, MSA reserves the right to purchase replacement materials in the open market.

Contractors failing to promptly replace materials lawfully rejected shall be liable for any excess price paid by MSA for the replacement plus applicable expenses, if any.

44. Patent, Trade Mark and Copyright Infringements

Contractor shall indemnify, protect, defend and save harmless MSA, its officers, agents and employees with respect to any claim, action, cost or judgment for patent, trademark and copyright infringements, arising out of purchase or use of materials, supplies, equipment or services covered by this Contract. This clause shall control over any other clause herein which may conflict with it.

45. Occupational Safety and Health Act (OSHA)

All materials, supplies, equipment or services supplied as a result of this Contract shall comply with the applicable U.S. and Maryland Occupational Safety and Health Act standards.

46. Minority Business Enterprise and Affirmative Action

- A. This Contract is subject to Executive Order 01.01.1970.15, December 9, 1970; amended by Order 01.01.1976.05, July 9, 1996 (Code of Fair Practices), and COMAR 21.11.04 Contractor's Affirmative Action Plan Review/Approval and Compliance Monitoring Process.

This Contract is also subject to the applicable provisions of Title 14, Subtitle 3 of State Finance and Procurement Article of the Annotated Code of Maryland; COMAR 21.11.03 Minority Business Enterprise Policies; and COMAR Title 11.01.10 which incorporates by reference the current revision of the Minority Business Enterprise Program. Copies of the Minority Business Enterprise Program may be requested from the MSA of Transportation Fair Practices Officer, 7201 Corporate Center Drive, P.O. Box 548, Hanover, Maryland 21076. This

Contract is also subject to all applicable federal and State laws and regulations pertaining to Minority Business Enterprise and Affirmative Action.

- B. To the extent any of the above laws or regulations are applicable to this Contract, they are specifically incorporated herein.

47. Small Business Procurement

If this solicitation indicates that this procurement has been designated for a small business preference, the provisions of COMAR Title 21.11.01.02 pertaining to small business preferences shall apply and are incorporated herein by reference.

48. Non-Discrimination in Employment

A. Compliance with State Law and Regulations

The Contractor agrees: (a) not to discriminate in any manner against an employee or applicant for employment because of race, color, religion, creed, age, sex, marital status, national origin, ancestry, or the physical or mental handicap unrelated in nature and extent so as reasonably to preclude the performance of such employment; (b) to include a provision similar to that contained in subsection (a) above in any subcontract except a subcontract for standard commercial supplies or raw materials; and (c) to post and to cause subcontractors to post in conspicuous places available to employees and applicants for employment, notices setting forth the substance of this clause.

B. Compliance with Federal Law

Contractors providing materials, equipment, supplies, or services to the State under this Contract herewith assure the State that they are conforming to the provision of the Civil Rights Act of 1964, and Section 202 of Execution Order 11246 of the President of the United States of America as amended by Executive Order 11375, as applicable.

The Contractor shall comply with all applicable federal laws pertaining to non-discrimination in employment.

C. Sanctions for Non-Compliance

In the event of the Contractor's non-compliance with the non-discrimination provisions of this Contract, MSA shall impose such sanctions as it may determine to be appropriate, including but not limited to:

- (1) Withholding of payment to the Contractor under the Contract until the Contractor complies, and/or
- (2) Cancellation, termination or suspension of the Contract in whole or in part.

49. Multi-Year Contracts Contingent upon Appropriations

If funds are not made available for continued performance for any fiscal period of this Contract succeeding the first fiscal period, this Contract shall be canceled automatically as of the beginning of the fiscal year for which funds were not appropriated or otherwise made available; provided, however, that this will not affect either the MSA's rights or the Contractor's rights under any termination clause in this Contract. The effect of termination of the Contract hereunder will be to discharge both the Contractor and MSA from future performance of the Contract, but not from their rights and obligations existing at the time of termination.

The Contractor shall be reimbursed for the reasonable value of any non-recurring costs incurred but not amortized in the price of the Contract. MSA shall notify the Contractor as soon as it has knowledge that funds may not be available for the continuation of the Contract for each succeeding fiscal period beyond the first.

50. Buy American Steel Act

The provisions of COMAR 21.11.02 pertaining to implementation of the —Buy American Steel Act (State Finance and Procurement Article, Title 17, subtitle 3 of the Annotated Code of Maryland) are incorporated in this Contract by reference.

51. Intentionally Omitted

52. Disputes

Unless a lesser period is provided by applicable statute, regulation, or this Contract, the Contractor must file a written notice of claim with the Procurement Officer within thirty (30) days after the basis for the claim is known or should have been known, whichever is earlier. Contemporaneously with or within thirty (30) day of the filing of a notice of claim, but no later than the date of final payment under this Contract, the Contractor must submit to the Procurement Officer its written claim, along with applicable back-up material in support of its claim.

53. Intentionally Omitted

54. Contractor's Invoices

Contractor agrees to include its federal Tax Identification or Social Security Number on the face of all invoices billed to the State.

55. Financial Disclosure

The Contractor shall comply with the provisions of Section 13-221 of the State Finance and Procurement Article of the Annotated Code of Maryland, which requires that every business that enters into contracts, leases or other agreements with the State of Maryland or its agencies during a calendar year under which the business is to receive in the aggregate \$100,000 or more, shall, within thirty (30) days of the time when the aggregate value of these contracts, leases or other agreements reaches \$100,000, file with the Secretary of State of Maryland certain specified information to include disclosure of beneficial ownership of the business.

56. Political Contribution Disclosure

The Contractor shall comply Article 33, §§14-101 - 14-104, Annotated Code of Maryland, which requires that every person that enters into contracts, leases, or other agreements with the State, a county, or an incorporated municipality, or their agencies, during a calendar year in which the person receives in the aggregate \$100,000 or more, shall file with the State Board of Elections a statement disclosing contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election.

The statement shall be filed with the State Board of Elections: (1) before a purchase or execution of a lease or contract by the State, a county, an incorporated municipality, or their agencies, and shall cover the preceding two calendar years; and (2) if the contribution is made after the execution of a lease or contract, then twice a year, throughout the contract term, on: (a) February 5, to cover the 6-month period ending January 31; and (b) August 5, to cover the 6-month period ending July 1.

57. Incorporation by Reference

All terms and conditions set forth in the solicitation, any amendments thereto and Contractor's Bid/Proposal, are made a part of this Contract.

58. Maryland Law Prevails

The parties hereby agree that:

- A. The Contract was made and entered into in Maryland, and under the laws of Maryland.
- B. The Law of Maryland shall govern the resolution of any issue arising in connection with this Contract, including, but not limited to, all questions concerning the validity of this Contract the capacity of the parties to enter therein, any modification or amendment thereto, and the rights and obligations of the parties hereunder.

59. Bid Award – Resident Business

- A. When awarding a contract by competitive bidding, the MSA may give a preference to the lowest responsive and responsible bid/offeror from a Maryland firm over that of a non- resident firm if the State in which the non-resident firm is located gives a resident business preference.
- B. The preference given under this Paragraph shall be identical to the preference given to its residents by the state in which the non-resident firm is located.
- C. This provision shall not apply if it conflicts with any federal grant or regulation affecting this Contract.

60. Payment of State Obligations

- A. Payments to the Contractor pursuant to this Contract shall be made no later than thirty (30) days after the State's receipt of a proper invoice from the Contractor.
- B. Charges for late payment of invoices, other than as prescribed by Title 15, Subtitle 1, of the State Finance and Procurement Article, Annotated Code of Maryland, or by the Public Service Commission of Maryland with respect to regulated public utilities, as applicable, are prohibited.
- C. A proper invoice shall include a description of the items of services provided; the date the goods were received or the inclusive dates the services were rendered; the Contract price(s); retention, if any; the basis for the billing; the Contract or purchase order number; the Contractor's federal Tax Identification Number or Social Security Number; the name and address of the proper invoice recipient.
- D. In order to receive payment of interest, the Contractor must submit a proper invoice for accrued interest with thirty (30) calendar days after the payment date of the amount on which the interest is

claimed to have accrued. Interest may not be claimed for more than one (1) year following the 31st calendar day after the date that a proper invoice was received, or on amounts representing unpaid interest, or if a claim has been filed under State Finance and Procurement Article, Title 15, Subtitle 2 of the Annotated Code of Maryland.

E. For the purpose of this Contract, an amount shall not be deemed due and payable if any of the following apply:

- (1) The amount invoiced is inconsistent with the Contract.
- (2) The proper invoice has not been received by the party or office specified in the Contract.
- (3) The invoice or performance under the Contract is in dispute or the Contractor has failed to otherwise comply with the provisions of the Contract.
- (4) The item or services have not been accepted.
- (5) The quantity of items delivered is less than the quantity ordered.
- (6) The items or services do not meet the quality requirements of the Contract.
- (7) If the Contract provides for progress payments, the proper invoice for the progress payment has not been submitted pursuant to the schedule contained in the Contract.
- (8) If the Contract provides for withholding a retainage and the invoice is for the retainage, all stipulated conditions for release of the retainage have not been met.
- (9) The Contractor has not submitted satisfactory documentation or other evidence reasonably required by the Procurement Officer or by the Contract concerning performance under the Contract and compliance with its provisions.

61. Intentionally Omitted

62. Retention of Records

The Contractor shall retain and maintain all records and documents relating to this Contract for three (3) years after final payment by the State hereunder or any applicable statute of limitations, whichever is longer, and shall make them available for inspection and audit by authorized representatives of the State, including the Procurement Officer or authorized designee, at all reasonable times.

63. General Conditions Controlling

In event of a conflict between these General Conditions and any other provision of the Contract documents, these General Conditions shall prevail unless such other provision expressly provides to the contrary.

64. Dissemination of Information

During the term of this Contract, the Contractor shall not release any information related to the services or performances of the services under this Contract nor publish any final reports or documents.

65. Insolvency

In the event Contractor files a voluntary petition in the Bankruptcy Courts of the United States, Contractor shall notify MSA in writing of its intent to file. This notice must be received by not less than ten (10) days prior to such filing. Failure to provide such notice shall be a material breach of the Contract, and in this event, this Contract shall, as a result of such breach, terminate automatically and cease to be of any further force or effect as of the ninth (9th) day prior to such filing. In the event Contractor becomes the subject of any involuntary petition filed in the Bankruptcy Courts of the United States, Contractor shall notify MSA of such filing no later than ten (10) days after the petition was filed. Failure to provide such notice shall be a material breach of the Contract, and in that event, this Contract shall, as a result of such breach, terminate automatically and cease to be any further force and effect as of the eleventh (11th) day after such filing.

ATTACHMENT N – INTENTIONALLY OMITTED

BID BOND
ORIOLE PARK AT CAMDEN YARDS
LOWER CONCOURSE DOMESTI WATER RE-PIPING
PROJECT NO. 18-024

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____ as Principal, and as Surety, are held and firmly bound unto the Maryland Stadium Authority as Owner, in the Sum of \$ (an amount equal to Five Percent (5%) of the Maximum Total Bid Submitted) (the "Penal Sum"), for payment of which Penal Sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, personal representatives, successors and assigns, firmly by these presents.

The condition of the above obligation is such that WHEREAS the Principal has submitted to the Maryland Stadium Authority a certain Bid, attached hereto, and hereby made a part hereof, to enter into a Contract, in writing, for:

NOW THEREFORE,

1. If said Bid shall be rejected, or
2. If said Bid shall be accepted and the Principal shall execute and deliver a Contract in the form of Contract attached hereto (properly completed in accordance with said Bid), and shall furnish a Bid for his faithful performance of Contract and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in other respects perform the Agreement created by the acceptance of the Bid;

THEN, in either of such events, this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the Penal Sum.

If the Bid should be accepted and the Principal fails to:

1. execute and deliver the Contract, or
2. furnish bonds acceptable to the Owner for his faithful performance of the Contract and for payment of all persons performing labor or furnishing materials in connection therewith, or
3. perform in any other respects the Agreement created by the acceptance of the Bid;

THEN, in any of such events, the Principal shall pay the Penal Sum to the Owner within ten (10) days after demand therefore, failing which the Surety shall pay it.

The Surety, for valued received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and Surety have hereunto set their Hand and Seals, and such of them as are corporations have caused their Corporate Seals to be hereto affixed and these presents to be signed by their proper Offices, this _____ day of _____, 2017.

ATTEST:

SIGN: _____
NAME: _____

TITLE: _____

ATTEST:

SIGN: _____

NAME: _____

TITLE: _____

AGENT (COMPANY):

AUTHORIZED BY:

NAME: _____

PRINCIPAL:

SIGN: _____ (SEAL)
NAME: _____

TITLE: _____

SURETY:

SIGN: _____ (SEAL)

NAME: _____

TITLE: _____

TITLE: _____

**PERFORMANCE BOND
ORIOLE PARK AT CAMDEN YARDS
LOWER CONCOURSE DOMESTIC WATER RE-PIPING
PROJECT NO. 18-024**

PERFORMANCE BOND

PRINCIPAL:

BUSINESS NAME

BUSINESS ADDRESS

OBLIGEE

Maryland Stadium Authority
its Successors and/or Assigns,
OBLIGEE NAME

333 W. Camden Street, Suite 500
Baltimore, Maryland 21201-2435
BUSINESS ADDRESS

SURETY:

_____, 2018

BUSINESS ADDRESS

DATE BOND EXECUTED

A Corporation of the State of _____ authorized to do business in the State of Maryland.

SUM OF BOND (Equal to Contract Price):

SUM OF _____ Dollars (\$_____)

CONTRACT:

CONTRACT NUMBER AND IDENTIFICATION

_____, 2018
DATE OF CONTRACT

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL and SURETY are held and firmly bound unto the OBLIGEE in full and just sum of the amount stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, personal representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the PRINCIPAL is entering into a certain Contract with the OBLIGEE described and dated, as shown above and attached hereto, and is required to give a Bond conditioned as hereinafter set forth.

NOW, THEREFORE, if the PRINCIPAL shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of said Contract during the original term of said Contract and any extensions thereof that may be granted by the OBLIGEE, notice of such extensions to the SURETY being hereby waived and during the terms or terms of any maintenance, repair, guaranty and warranty required under the Contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of any duly authorized modifications of said contract that may hereafter be made, notice of which modification to the SURETY being hereby waived, and shall indemnify and save harmless the OBLIGEE, its agents and employees, may be subjected by reason of any wrong doing, misconduct, want of care or skill, negligence or default on the part of the PRINCIPAL, its agents or employees, or in any manner arising directly or indirectly from any and all causes whatsoever, or about the execution or performance of the Contract, during the original term of said Contract and/or any extension or modification thereof and/or during the term or terms of any maintenance, repair, guaranty, and warranty required under the Contract, then this obligation shall be null and void; otherwise to remain in full force and affect.

Whereas PRINCIPAL shall be, as declared by OBLIGEE to be in default under the Contract, the SURETY shall promptly remedy the default, or shall promptly:

1. Complete the Contract in accordance with its terms and conditions, or
2. Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by SURETY of the lowest responsible bidder, or, if the OBLIGEE elects, upon determination by the OBLIGEE and the SURETY jointly of the lowest responsible bidder, arrange for a contract between such bidder and OBLIGEE and make available as Work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the costs of completion less the balance of the contract price, but not exceeding, including other costs and damages for which the SURETY may be liable hereunder, the face amount set forth above. The term "balance of the contract price" as used in this paragraph, shall mean the total amount payable by OBLIGEE to PRINCIPAL under the Contract and any amendments thereto, less the amount previously paid by OBLIGEE to PRINCIPAL.

None of the following shall be defense to any claim under the Bond:

1. Failure of the OBLIGEE to withhold retainages pursuant to the Contract;
2. Failure of the OBLIGEE to withhold other payments from the PRINCIPAL pursuant any right of the OBLIGEE so to do;
3. Waiver by the OBLIGEE of, or failure by the OBLIGEE to enforce, any right remedy against the PRINCIPAL, and
4. Withholding by OBLIGEE of any payment(s) from the PRINCIPAL under a claim of a contractual right to do so, provided that, in the case of (.4), any amount so withheld is approved by the Architect under the Contract or is reasonable under the circumstances and is withheld in good faith.

No right of action shall accrue on the bond to or for the use of any person or corporation other than the OBLIGEE or the successors or assigns of OBLIGEE.

IN WITNESS WHEREOF, the parties have executed this instrument under their several Seals on the dated indicated above, the Name and Corporation Seal of each Corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

ATTEST:	PRINCIPAL:	
SIGN: _____	SIGN: _____	(SEAL)
NAME: _____	NAME: _____	
TITLE: _____	TITLE: _____	

ATTEST:	SURETY:	
SIGN: _____	SIGN: _____	(SEAL)
NAME: _____	NAME: _____	
TITLE: _____	TITLE: _____	

AGENT (COMPANY): _____ (SEAL)
AUTHORIZED BY: _____
NAME: _____ **TITLE:** _____

**PAYMENT BOND
ORIOLE PARK AT CAMDEN YARDS
LOWER CONCOURSE DOMESTIC WATER RE-PIPING
PROJECT NO. 18-024**

LABOR AND MATERIAL PAYMENT BOND

PRINCIPAL:

BUSINESS NAME

BUSINESS ADDRESS

SURETY:

BUSINESS ADDRESS

OBLIGEE:

Maryland Stadium Authority
its Successors and/or Assigns,
OBLIGEE NAME

333 W. Camden Street, Suite 500
Baltimore, Maryland 21201-2435
BUSINESS ADDRESS

_____, 2018
DATE BOND EXECUTED

A Corporation of the State of _____ authorized to do business in the State of Maryland.

SUM OF BOND (Equal to Contract Price):

SUM OF _____ Dollars (\$_____)

CONTRACT:

_____, 2018
DATE OF CONTRACT

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL and SURETY are held and firmly bound unto the OBLIGEE in full and just sum of the amount stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, personal representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the PRINCIPAL is entering into a certain Contract with the OBLIGEE described and dated, as shown above and attached hereto, and is required to give a Bond conditioned as hereinafter set forth.

NOW, THEREFORE, the condition of this obligation is such that if the PRINCIPAL shall promptly make payments to all persons supplying labor, material, and/or services in the prosecution of the Work ("claimant") provided for in said contract and any and all duly authorized extension and/or modifications of said contract that may hereafter be made, notice of such extension and/or modifications to the SURETY being hereby waived, and any maintenance, repair, guaranty and warranty required under the Contract, then this obligation to be null and void; otherwise to remain in full force and effect.

The PRINCIPAL and SURETY hereby jointly and severally agree with the OBLIGEE that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last such claimant's work or labor was done or performed, or materials or services were furnished by such claimant, may sue on this bond for the use of claimant, prosecute the suite to final judgment for such sum or sums as may be justly due claimant, and have execution thereof. The OBLIGEE shall not be liable for the payment of any costs or expenses of any such suit.

The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by SURETY of mechanics' liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against this bond. A suit or action commenced hereunder shall comply with applicable Provisions of the Public General Laws of Maryland. No suit or action shall be commenced hereunder against the OBLIGEE, its successors and assigns, nor shall OBLIGEE be liable for any costs or expenses of such suit.

None of the following shall be a defense to any claim under the Bond:

1. Failure of the OBLIGEE to withhold retainages pursuant to the Contract;
2. Failure of the OBLIGEE to withhold other payments from the PRINCIPAL pursuant to any right of the OBLIGEE so to do;
3. Waiver by the OBLIGEE of, or failure by the OBLIGEE to enforce, any right remedy against the PRINCIPAL; and
4. Withholding by OBLIGEE of any payment(s) from the PRINCIPAL under a claim of a contractual right to do so, provided that, in the case of (iv), any amount so withheld is approved by the Architect under the Contract or is reasonable under the circumstances and is withheld in good faith.

IN WITNESS WHEREOF, the parties have executed this instrument under their several Seals on the dated indicated above, the Name and Corporation Seal of each Corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

ATTEST:	PRINCIPAL:
SIGN: _____	SIGN: _____(SEAL)
NAME: _____	NAME: _____
TITLE: _____	TITLE: _____

ATTEST:	SURETY:
SIGN: _____	SIGN: _____(SEAL)
NAME: _____	NAME: _____
TITLE: _____	TITLE: _____

AGENT (COMPANY): _____(SEAL)

AUTHORIZED BY: _____

NAME: _____ **TITLE:** _____

**Camden Yards Sports Complex LEED Existing Building:
Operations and Maintenance**

Solid Waste Management Policy



Solid Waste Management Policy

LEED for Existing Buildings: Operations and Maintenance

SECTION 1: POLICY SCOPE

This policy applies to the collection, sorting, diversion, and disposal of ongoing consumables, durable goods, and building materials associated with facility alterations and additions accrued in the operations of The Maryland Stadium Authority's facilities that are within the building and site management's control.

This policy will apply to, but is not limited to, the following types of materials:

- Ongoing Consumables, including but not limited to:
 - Paper
 - Cardboard
 - Glass
 - Plastic
 - Metals
 - Landscape waste
 - Batteries
- Mercury-containing lamps
- Durable Goods, including but not limited to:
 - Electronic equipment
 - Furniture
- Building Materials used in facility alterations and additions, including but not limited to:
 - Building components and structures (wall studs, insulation, doors, windows)
 - Panels
 - Attached finishings (drywall, trim, ceiling panels)
 - Carpet and other flooring material
 - Adhesives
 - Sealants
 - Paints and coatings

SECTION 2: POLICY GOALS

To manage solid waste in a manner that will:

- protect the environment and public health
- conserve natural resources
- minimize landfilling and/or incineration and reduce toxicity

SECTION 3: PERFORMANCE METRIC

The successful implementation of this policy will be measured by the ongoing recycling rate achieved. The recycling rate is derived by comparing the amount of consumables diverted from the landfill to those consumables sent to the landfill over a given time period. The policy's initial performance metric will be to achieve the reuse, recycling and/or composting of:

- At least 50% of the ongoing consumable waste stream (by weight or volume)
- At least 80% of discarded batteries
- 100% of all mercury-containing lamps within the building and site management's control
- At least 75% of the durable goods waste stream (by weight, volume, or replacement value)
- At least 70% of waste (by volume) generated by facility alterations and additions

SECTION 4: PERFORMANCE EVALUATION

Monthly reports, including waste recycling and/or disposal receipts, must be provided by the waste haulers/vendors to allow for ongoing documentation, monitoring and assessment of the program results.

The responsible party will, whenever possible, compile the reports and include an evaluation of the performance, safety, cost and environmental/public health benefits achieved through source reduction, reuse, recycling and composting. Reports should also relate the progress in meeting the stated objectives of The Maryland Stadium Authority as set forth under Sections (2) and (3).

SECTION 5: RESPONSIBLE PARTY

Jeff Provenzano, Vice President Sports Complex Facilities, shall implement this policy within Camden Yards Sports Complex in coordination with other appropriate organization personnel, including but not limited to, the building's janitorial staff and any contracted waste haulers. Jeff Provenzano shall coordinate training, education and outreach programs throughout the organization, with the aim of promoting and maintaining the goals of this policy.

Due to the nature of this building, contracts are constantly being reevaluated and new bids from other providers are always being reviewed for economic value. All requests for bids for contractors, and current contractors, specific to waste management will receive this plan and be required to adhere to the requirements.

SECTION 6: PROCEDURES AND STRATEGIES

The following table lists recyclable wastes at the building site, their disposal method and handling procedures.

Source/Consumables	Disposal Method	Handling Procedure
Glass, Plastic, Metals (commingled)	Building occupants dispose of these recyclables in separately provided collection points periodically placed around the stadium and in suites.	Amounts are tracked and taken away by hauler on a regular basis (same schedule as current waste pickup) for recycling.
Mercury-containing Lamps	Maintenance staff collects fluorescent lamps and stores the unbroken lamps for disposal.	Taken away or dropped off to an authorized hauler for safe disposal, in accordance with local regulations on disposal of products containing mercury.
Cardboard/Paper/newspapers	Building occupants dispose of paper/newspapers in separately provided collection points periodically placed around the stadium and in suites.	Amounts are tracked and taken away by hauler on a regular basis (same schedule as current waste pickup) for recycling.
Batteries	Building occupants deliver batteries to a specially-designated collection point for disposal.	Taken away/ dropped off to an authorized hauler on a regular basis for proper disposal.
Durable Goods (Electronic Waste and Furniture)	Building management provides a secure collection area to store durable goods that have reached the end of their life within the building but still have value and may be donated/re-used.	Amounts are tracked and taken away/ dropped off to an authorized hauler or re-use center on a regular basis for recycling.
Building Materials	Building management coordinates with contractors to collect construction waste for re-use/recycling.	Amounts are tracked and taken away by an authorized hauler at the end of the demolition/construction period for recycling.

SECTION 7: TIME PERIOD

With respect to the Time Period, this Solid Waste Management Policy was established in March 2012 and is currently in effect. This plan is to remain in effect for the life of the building and to be regularly evaluated for any improvements. During the life of this policy, the Solid Waste Management Policy will, at a minimum, address the diversion of waste and toxins generated through building operations from landfills and incineration facilities that are within the building and site management's control.

**Camden Yards Sports Complex LEED Existing Building:
Operations and Maintenance**

Sustainable Purchasing Policy



LEED for Existing Buildings: Operations and Maintenance Sustainable Purchasing Policy

SECTION 1: POLICY SCOPE

This policy applies to the sustainable purchasing at Camden Yards Sports Complex's sites that are within the building and site management's control.

This policy applies to sustainable purchasing of the following types of products:

- Ongoing Consumables
- Durable goods
- Building materials used in facility alterations and additions
- Mercury-containing lamps

Food and beverages are not included in the scope of this policy.

SECTION 2: POLICY GOALS

To purchase ongoing consumables in a manner that will:

- protect the environment and public health
- conserve natural resources
- minimize waste, including landfilling and incineration, and reduce toxicity

SECTION 3: PERFORMANCE METRIC

Sustainable Purchasing of Ongoing Consumables

The Maryland Stadium Authority mandates that at least 60% of the Stadium's total ongoing consumables purchases (by cost) are to be sustainable. Sustainable purchases are those that meet one or more of the following criteria:

- Purchases contain at least 10% postconsumer or 20% postindustrial material.
- Purchases contain at least 70% material salvaged from off-site or outside the organization.
- Purchases contain at least 70% material salvaged from on-site, through an internal organization materials and equipment reuse program.
- Purchases contain at least 50% rapidly renewable material.
- Purchases contain at least 50% Forest Stewardship Council (FSC) certified wood.
- Purchases contain at least 50% material harvested and processed or extracted and processed within 500 miles of the project.
- Batteries are rechargeable and contain low levels of mercury and heavy metals.

Sustainable Purchasing of Durable Goods

The term "durable goods" refers to higher-cost-per-unit materials that are replaced infrequently and/or may require capital outlays to purchase. These products may include, but are not limited to: office equipment (such as computers, monitors, printers, copiers, fax machines), appliances (refrigerators, dishwashers, water coolers), external power adaptors, televisions, and furniture. The purchasing criteria for these products fall into the following two categories.

Furniture

The Maryland Stadium Authority mandates that at least 40% of total purchases of furniture (by cost) must be sustainable. Sustainable purchases are those that meet one or more of the following criteria:

- Purchases must contain at least 10% post consumer or 20% post industrial material.
- Purchases must contain at least 70% material salvages from off-site or outside the organization.
- Purchases contain at least 70% material salvaged from on-site, through an internal organization materials and equipment reuse program.
- Purchases contain at least 50% rapidly renewable material.
- Purchases contain at least 50% Forest Stewardship Council (FSC) certified wood.

- Purchases contain at least 50% material harvested and processed or extracted and processed within 500 miles of the project.

Electronics and Appliances

The Maryland Stadium Authority mandates that at least 40% of total purchases of electric powered equipment (by cost) must be sustainable. Sustainable purchases are those that meet one or more of the following criteria:

- The purchased equipment is ENERGY STAR® qualified (for product categories with developed specifications).
- The purchased equipment (either battery or corded) replaces conventional gas-powered equipment.

Sustainable Purchasing: Facility Alterations and Additions (when applicable)

The Maryland Stadium Authority mandates that at least 50% of the Stadium's total facility alteration purchases (by cost) are to be sustainable. Sustainable purchases are those that meet one or more of the following criteria:

- Adhesives and sealants have VOC content less than the current VOC content limits of SCAQMD Rule #1168, or sealants used as fillers meet or exceed the requirements of the Bay Area Air Quality Management District Regulation 8, Rule 51.
- Paints and coating have VOC emissions not exceeding the VOC and chemical component limits of Green Seal's Standard GS-11 requirements.
- Non-carpet finished flooring is FloorScore-certified and constitutes a minimum of 25% of the finished floor area.
- Carpet meets the requirements of the CRI Green Label Plus Carpet Testing Program.
- Carpet cushion meets the requirements of the CRI Green Label Testing Program.
- Composite panels and agrifiber products contain no added urea-formaldehyde resins.

Sustainable Purchasing: Toxic Material Source Reduction – Reduced Mercury in Lamps

To reduce the mercury level in lamps the Maryland Stadium Authority is committed to purchasing manufacture specified low mercury content or NEMA partner bulbs. 90% of the Stadium's total bulb purchases (by cost) are to be manufacture specified low mercury content or NEMA partner bulbs.

The Responsible Party shall confirm that product purchases are sustainable and conform to the mandates of the USGBC and the Sustainable Purchasing Policy, and keep track of the purchasing orders, receipts, and product data sheets/MSDS necessary to document the extent of the sustainable purchases.

SECTION 4: PERFORMANCE EVALUATION

The Maryland Stadium Authority and/or vendor will record and track purchases on a monthly basis. The Maryland Stadium Authority personnel and/or vendor responsible for purchasing will report purchases to the appropriate Maryland Stadium Authority representative.

SECTION 5: RESPONSIBLE PARTY

The Responsible Party for implementation of this Policy and for initial measurement and evaluation of performance is Jeff Provenzano, Vice President of Sports Complex Facilities, and John Samoryk, Vice President of Procurement, employed by The Maryland Stadium Authority. They will, in the course of the day to day managerial duties, supervise those other individuals and teams involved in implementing the Sustainable Purchasing Policy, including tasks from placing orders for environmentally preferable Durable Goods (electronic and furniture); to monitoring Facility Additions and Alterations for compliance; to specifying reduced mercury lamps.

SECTION 6: PROCEDURES AND STRATEGIES

This policy covers purchases that are within the building and site management's control. The Maryland Stadium Authority personnel may use any qualifying vendor to procure the products described in Section (3), and are encouraged to also consider the following areas of interest:

Packaging

The Maryland Stadium Authority desires to reduce waste generated at Camden Yards Sports Complex through daily operations and recognizes that such reduction begins with the material that enters each facility/site. The Maryland Stadium Authority will request that all items purchased be packaged and delivered with minimal packaging material. The Maryland Stadium Authority reserves the right to request that vendors alter the packaging of goods delivered, when appropriate and/or possible.

Recycled Content

The Maryland Stadium Authority requests that all vendors provide recycled content options for goods when available. If a product is available with recycled content, vendor will disclose that option to the appropriate Maryland Stadium Authority representative. Recycled content targets may be overridden at the discretion of the responsible party if certain products with recycled content present themselves as cost-prohibitive.

SECTION 7: TIME PERIOD

With respect to the Time Period, this Sustainable Purchasing Policy was established in March 2012 and is currently in effect. This plan is to remain in effect for the life of the building and to be regularly evaluated for any improvements. During the life of this policy, the Sustainable Purchasing Policy will, at a minimum, cover those product purchases that are within the building and site management's control.

**Camden Yards Sports Complex LEED Existing Building:
Operations and Maintenance**

Building Exterior and Hardscape Management Plan



LEED for Existing Buildings: Operations and Maintenance Building Exterior and Hardscape Management Plan

SECTION 1: SCOPE

This plan provides guidelines for maintaining the performance of the building exterior and hardscape at Camden Yards Sports Complex located at 1101 Russell Street Baltimore, MD 21230. This plan covers the entire building exterior and hardscape at the project site.

SECTION 2: GOALS

- To minimize the impact of site management practices on the local ecosystem
- To reduce the exposure of building occupants and maintenance personnel to potentially hazardous chemical, biological, and particle contaminants.

The Plan addresses environmental best practices for:

- Maintenance equipment
- Snow and ice removal
- Cleaning of building exterior
- Paints and sealants used on the building exterior
- Cleaning of sidewalks, pavement and other hardscapes.

SECTION 3: RESPONSIBLE PARTIES

Jeff Provenzano, Vice President of Facilities, with support from Bart Shifler, Facilities Manager, from the Maryland Stadium Authority is responsible for developing and managing the implementation of the Building Exterior and Hardscape Management Plan. Contractors involved with various elements of the Plan shall carry out their tasks according to their contracts and report all relevant activities to the aforementioned parties. On occasion, several contractors may be engaged simultaneously in various elements of the plan at the building and grounds. To ensure an effective and coordinated effort, the building staff responsible for overseeing the Plan shall review all proposed activities before implementation.

Due to the nature of this building, contracts are constantly being reevaluated and new bids from other providers are always being reviewed for economic value. All requests for bids for contractors, and current contractors, specific to the building exterior and hardscape management will receive this plan and be required to adhere to the requirements.

SECTION 4: QUALITY CONTROL PROCESS

To ensure proper quality control the responsible party will conduct monthly inspections with the grounds keepers to verify that the sustainable measures (listed below) are being followed. A log will be maintained that lists all maintenance performed on the building's hardscape and exterior. This log will aid Bart Shifler in confirming that the sustainable measures noted above are being utilized at least 75% of the time (by use). Bart Shifler will also oversee all purchasing related to grounds maintenance to ensure that sustainable methods are a priority and to also be proactive in any incremental improvements. Any deviations from this Management Plan will be handled by the responsible party accordingly.

SECTION 5: MAINTENANCE EQUIPMENT

Generally, manual methods of grounds management, electric equipment, or equipment with noise and emission controls shall be used in lieu of fossil-fuel-powered machinery, whenever possible, to reduce soil compaction, and noise and air pollution produced by gas-powered equipment.

PERFORMANCE METRICS

The practices listed below shall be implemented to the extent noted in the table. When less than complete adoption occurs, the performance metrics indicated will be used to gauge performance against the implementation target.

Maintenance Equipment	Performance Metric	Implementation Target
Low decibel blowers	100% of blowers	75%
Mulching mower	100% of mower equipment	Complete adoption
Manual spring cleanup	100% of occurrences needed	Complete adoption
Manual weeding	100% of occurrences needed	Complete adoption
Manual pruning	100% of occurrences needed	Complete adoption

PRACTICES TO OPTIMIZE SITE MAINTENANCE EQUIPMENT

- When power equipment must be used, electric equipment (battery or corded), instead of conventional gas-powered equipment, shall be used wherever practical. This measure will reduce the fossil fuel use and greenhouse gas emissions produced by conventional equipment.
- Mulching mowers shall be used on turf areas and shall return clippings back into the lawn to recycle nutrients.
- Turf areas shall be hand-weeded.
- Low-smoke oil shall be used in all maintenance equipment.
- For equipment with two-cycle engines, models with advanced design features—such as direct fuel- injection engines and exhaust power valves—shall be used to reduce emissions, improve fuel efficiency, and decrease oil consumption compared to conventional two-cycle engines.
- During the annual site cleanup in the spring, maintenance personnel shall manually prune winter-killed plants; sweep parking lot curbs, turf areas, and corners by hand; and rake turf areas to remove debris as necessary. Manual landscape maintenance reduces the need for powered machinery and the demand for fossil fuels.
- Weekly, the shrub and tree beds shall be hand-weeded.
- Shrubs and ornamental trees shall be manually pruned.
- All mowers shall receive new blades annually, and belts, bearings, and bushings shall be inspected on a yearly basis and changed as needed. Regular maintenance enhances the efficiency of equipment, thereby conserving energy and fuel and minimizing entire equipment replacements.
- Weekly, the contractor shall change the oil and filters on all equipment. All used oil shall be recycled.

SECTION 6: SNOW REMOVAL

The Maryland Stadium Authority at Camden Yards Sports Complex eliminates the need for using harmful de-icing chemicals by applying small portions of environmentally friendly, magnesium chloride based ice melt to heavily traveled areas when a storm is in the midst and by hot water pressure washing walkways to eliminate ice and slippery conditions. The Maryland Stadium Authority implements plowing of the sidewalks and parking lots when conditions prove necessary.

PERFORMANCE METRICS

The practices listed below shall be implemented to the extent noted in the table. Where less than complete adoption occurs, the performance metrics indicated will be used to gauge performance against the implementation target.

Site Management Products/Materials	Performance Metric	Implementation Target
Magnesium based deicing Chemicals	100% of occurrences needed	Complete adoption
Hand brushing, shoveling, and plowing	100% of occurrences needed	Complete adoption

PRACTICES TO OPTIMIZE SNOW REMOVAL

- Deicing chemicals shall be used on parking lots and roadways only as necessary. To protect vegetation and receiving waterways, the minimum amount of deicer that is effective shall be used. Application rates shall be tailored to match actual conditions based on pavement temperature, precipitation, and beginning concentrations of the deicer.
- Environmentally preferred deicing products shall be used for routine applications. Pre-approved products include those primarily comprised of:
 - potassium acetate
 - potassium chloride
 - magnesium chloride.
- Sidewalks and parking lots shall always be plowed prior to the application of deicing agents—to limit the amount of chemicals needed and reduce the potential for harmful runoff.
- When possible, anti-icing measures (preemptively applying deicer before a storm) shall be performed, thereby significantly reducing the overall need for deicing chemicals.

SECTION 7: HARDSCAPE MAINTENANCE & BUILDING EXTERIOR CLEANING

The maintenance of these areas are monitored by the Maryland Stadium Authority and the Stadium’s maintenance team. The maintenance team power washes the exterior of the building, seating bowl, and sidewalks when notably needed. All sidewalks are swept and maintained for appearance, occupant safety, and comfort.

PERFORMANCE METRICS

The practices listed below shall be implemented to the extent noted in the table. Where less than complete adoption occurs, the performance metrics indicated will be used to gauge performance against the implementation target.

Site Management Products/Materials	Performance Metric	Implementation Target
Chemical Free Power washing	100% of occurrences needed	Complete adoption

If any additional chemical cleaning product or equipment is needed they will meet the standards (IEQc3.3 - 3.4) set below. Compliance will be measured by cost of compliant materials. It is the goal to never fall below 75% for

Cleaning Products	Standard
General-purpose	Green Seal - 37
Bathroom	Green Seal - 37
Glass	Green Seal - 37
Galls and Carpet cleaners used for Industrial and Institutional Purposes	Green Seal - 37
Cleaning and Degreasing Compounds	Environmental Choice - 110
Hard Surface Cleaners	Environmental Choice - 146
Carpet and Upholstery Care	Environmental choice - 148
Disinfectants, Metal Polish, Floor Finishes, Strippers, or other products not addressed by the above section	Standard
Floor Care used for Industrial and Institutional Purposes	Green Seal - 40
Digestion Additives for Cleaning and Odor Control	Environmental Choice - 112
Drain or Grease Trap Additives	Environmental Choice - 113
Odor Control Additives	Environmental Choice - 115
Hard Floor Care	Environmental Choice - 147
Disposable Janitorial Paper Products, Trash Bags	Standard
Janitorial Paper and Plastic Can Liners	EPA Guidelines for Trash Bags
Paper Towels and Napkins	Green Seal - 09 or EPA Recycled & Recovered guidelines
Tissue Paper	Green Seal - 01 or EPA Recycled & Recovered guidelines
Toilet Tissue	Environmental Choice - 082 or EPA Recycled & Recovered guidelines
Hand towels	Environmental Choice - 086 or EPA Recycled & Recovered guidelines
Hand Soaps	Standard
Hand Cleaners - Industrial and Institutional	Green Seal - 41 or No Antimicrobial Agents except where required by health codes
Hand Cleaners and Hand Soaps	Environmental Choice - 104 or No Antimicrobial Agents except where required by health codes
Equipment	Standard
Vacuums	CRI Certified and sound level less than 70dBA
Carpet Extraction Equipment	CRI Certified
Powered Floor maintenance equipment	Equipped with vacuums and guards, operated with a sound level of less than 70dBA
Propane-powered floor equipment	Engines must meet California Air Resources Board (CARB), sound level less than 90dBA, bumpers
Automated scrubbing machines	variable speed pumps, on board chemical metering, and bumpers. Or Chemical free
Battery Powered equipment	Gel Batteries

EPA Recycled & Recovered Content Guidelines		
Item	Post Consumer %	Recovered Fiber %
Bathroom tissue	20-60	20-100
Paper towels	40-60	40-100
Paper napkins	30-60	30-100
Facial tissue	10-15	10-100
General Purpose Wipes	40	40-100
*Note: content levels should read as X% recovered fiber, including Y% postconsumer fiber.		

EPA Guidelines for Trash bags	
Plastic Trash Can Liners	Must contain at least 1 of the following:
	• 10% post consumer content
	• Bio-Based
	• Made from renewable materials

sustainable practices (by use).

PRACTICES TO OPTIMIZE HARDSCAPE MAINTENACE

- The building exterior and hardscape cleaning is primarily performed with chemical free power washing and manual tools to maintain the walkways, pavement, and other hardscapes. The limited use of gas-powered equipment conserves fossil fuels and minimizes greenhouse gas emissions.
- Chemical use for building exterior and hardscape maintenance shall be minimal and, when necessary, should be based on products or practices that conserve water and utilize biodegradable, low-impact cleaning products. Environmentally safe cleaners prevent harmful chemical runoff and water pollution. MSDS sheets shall be provided.
- When applicable, the minimum amount of cleaning product that is effective shall be used on the building exterior and hardscape and shall meet the requirements of IEQc3.4–3.6: Green Cleaning, Sustainable Cleaning Products and Materials as listed above.

SECTION 8: PAINTS AND SEALANTS

All exterior paints and sealants shall be low-VOC, environmentally friendly products.

PERFORMANCE METRICS

This Plan shall govern all components of exterior painting and sealing at the project building. The practices identified in this Plan shall be wholly adopted and used in 100% of building exterior painting and sealing activities at Camden Yards Sports Complex.

Painting or Sealing Products	Performance Metric	Implementation Target
SCAQMD Rule #1168 and GS-11 Compliant Paints and Sealants	100% of occurrences needed	Complete adoption

PRACTICES TO OPTIMIZE THE USE OF ENVIRONMENTALLY PREFERRED PAINTS AND SEALANTS

- Paints and sealants must comply with the VOC content limits of South Coast Air Quality Management District (SCAQMD) Rule #1168 and GS-11, listed in the table below.
- The Maryland Stadium Authority shall incorporate VOC limits for paints and sealants in contractor bid documents to ensure that external entities working onsite follow the requirements.

Architectural Applications	VOC Limit [g/L less water]	Specialty Applications	VOC Limit [g/L less water]
Indoor carpet adhesives	50	PVC welding	510
Carpet pad adhesives	50	CPVC welding	490
Wood flooring Adhesives	100	ABS welding	325
Rubber floor adhesives	60	Plastic cement welding	250
Subfloor adhesives	50	Adhesive primer for plastic	550
Ceramic tile adhesives	65	Contact adhesive	80
VCT and asphalt adhesives	50	Special purpose contact adhesive	250
Drywall and panel adhesives	50	Structural wood member adhesive	140
Cove base adhesives	50	Sheet applied rubber lining operations	850
Multipurpose construction adhesives	70	Top and trim adhesive	250
Structural glazing adhesives	100		
Substrate Specific Applications	VOC Limit [g/L less water]	Sealants	VOC Limit [g/L less water]
Metal-to-metal	30	Architectural	250
Plastic foams	50	Non-membrane roof	300
Porous materials (except wood)	50	Roadway	250
Wood	30	Single-ply roof membrane	450
Fiberglass	80	Other	420
Sealant Primers	VOC Limit [g/L less water]		
Architectural non-porous	250		
Architectural porous	775		
Other	750		
Paints	VOC Limit [g/L]		
Exterior nonflat	200		
Exterior flat	100		

SECTION 9: TIME PERIOD

With respect to the Time Period, this Building Exterior and Hardscape Management Plan was created and implemented in March 2012 and is currently in effect. This plan is to remain in effect for the life of the building and to be regularly evaluated for any improvements in maintenance equipment and ice melt. During the life of this policy, the Building Exterior and Hardscape Management Plan will, at a minimum, address the diversion of toxins and chemicals generated through building operations and maintenance that are within the building and site management’s control.

Camden Yards Sports Complex LEED Existing Building: Operations and Maintenance

Indoor Air Quality Management Program



This guidance document will be used by the Maryland Stadium Authority to develop and maintain a basic indoor air quality management plan that meets the EPA's "Indoor Air Quality Building Education and Assessment Model (I-BEAM), EPA reference number 402-C-01-001, December 2002.

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1. INTRODUCTION

The health, comfort, and work environment of employees and staff are important aspects of the Maryland Stadium Authority's (MSA) mission in the management of the Camden Yards Sports Complex. According to the EPA, indoor air quality (IAQ) is a critical component of providing a healthy and comfortable work environment. IAQ is important for the following reasons:

1. Indoor air pollutants can “cause or contribute to short- and long-term health problems, including asthma, respiratory tract infection and disease, allergic reactions, headaches, nasal congestion, eye and skin irritations, coughing, sneezing, fatigue, dizziness, and nausea”.
2. Indoor air pollutants and extremes in temperature and humidity may cause discomfort, which can affect employees' ability to perform.
3. Indoor air quality problems can hasten building deterioration and possibly create liability problems. The MSA has implemented an IAQ Management Plan that will help monitor and improve the quality of air in its buildings. The objectives of the IAQ Management Plan are the following:
 1. Reduce the levels of indoor air pollutants through preventive measures such as routine maintenance activities, periodic building evaluations and inspections, and IAQ-specific policies.
 2. Provide and maintain adequate air exchanges by repairing and maintaining ventilation equipment, which will promote a comfortable and healthy working environment.
 3. Respond to IAQ related concerns and problems in a thorough and prompt manner, and to effectively communicate the progress of investigations and their resolution to all interested parties.

2. INDOOR AIR QUALITY COORDINATOR

The Facilities Operations Manager manages the Indoor Air Quality Program/Plan and monitors all activities involved in the program. The MSA is committed to providing the necessary support to meet the buildings IAQ Management Plan objectives.

The Managers responsibilities include the following:

1. Acting as the key contact person at MSA to respond to and address IAQ issues and concerns.
2. Acting as the lead MSA staff person to develop and manage this IAQ Management Plan. This includes coordinating building walkthrough inspections, coordinating the building systems evaluations, coordinating the investigations of reported IAQ issues and concerns, and modifying the IAQ Management Plan to fit the MSA's specific needs and objectives at the Camden Yards Sports Complex.
3. Responding to reported IAQ concerns and issues.
4. Communicating with staff and other parties regarding the progress made with the Plan and the process of reporting IAQ concerns.
5. Coordinating the annual review of the Plan, this involves building walk-through inspections, building systems evaluations, and revising the Plan to include the new information obtained.

3. WALKTHROUGH INSPECTION OF MSA BUILDING

An MSA Building Operations staff person must perform bi-annual IAQ walkthrough inspection of all the functional spaces in the building. The walkthrough inspections involve observations that assess the factors that affect indoor air quality, through the use of general human senses (sight, smell, touch, hearing). During the walkthrough, all physical components that affect the air quality of functional spaces are to be examined, including the flooring or carpet, walls, ceiling, furniture, air intake, building entrances, mechanical rooms, and the roof and exterior. The walkthrough inspections provide some insight regarding the type, location, and magnitude of apparent IAQ related issues and problems. The EPA I-BEAM form A-1 and A-3 are used during the walkthrough inspections. All observations, recommendations and comments received from staff during the walkthrough inspection are noted using the EPA I-BEAM forms A1 and A3. All forms are signed and dated by the staff performing the walkthrough inspections. Copies of the checklists and associated notes are kept with the IAQ Management Plan. IAQ issues identified during the walkthrough inspections are noted and addressed by The Director of Administrative and Customer Services. Where appropriate, potential and existing problems are investigated and resolved; this is described in the “Evaluation and Resolution of Potential Problems” section 6 of the Plan.

4. BUILDING SYSTEMS EVALUATION

The building engineering staff continually monitor building systems to identify and evaluate potential IAQ issues that may be associated with building system or operational failures. The building engineers perform annual baseline IAQ audits on the HVAC system by using the EPA I-BEAM A2.1: OUTDOOR AIR INTAKE AND DAMPERS IN AHU.

Occupant complaints are documented using the EPA I-BEAM D2.: Indoor Air Quality Complaint Form and the D3: Indoor Air Quality Interview Form. All forms are kept in IAQ folder in the Building Operations Department. During the evaluation of the checklists, obvious or likely IAQ problems are identified and the Director of Administrative and Customer Services establishes specific policies or procedures to correct the problems. The same checklists or equivalent evaluations are completed annually to assess the changing IAQ issues and concerns. When contracting building systems evaluations or other IAQ investigations with environmental consultants, the building engineers and the Director of Administrative and Customer services will review the contract to make sure it is in accordance with the work that is necessary to achieve MSA’s IAQ objectives.

5. EVALUATION AND RESOLUTION OF IAQ ISSUES

Walkthrough Inspection and Building System Evaluations Findings:

During the walkthrough inspections and building systems evaluations, IAQ problems and issues are documented. The issues identified are addressed by the Director of Administrative and Customer services and remediated by appropriate personnel. Items may be determined to be deferred by the Director.

Issues are deferred if:

- they are suspected to take more than **six months** to resolve;
- they are “big ticket” item(s) that require re-appropriation of money; or

Resolving Problems reported to the Director of Facilities:

Problems are reported to the Director through the EPA I-BEAM Forms D2 and D3. Jeff Provenzano, the Vice President of Sports Complex Facilities documents all IAQ concerns, performs an initial investigation, and documents and communicates the resolution to all interested parties. All concerns are investigated and documented, reflecting the MSA’s commitment to addressing all IAQ related concerns. If the problem cannot be identified, or persists despite the MSA’s efforts to identify and remediate it, the Jeff Provenzano will determine whether a contracted service provider is needed.

When the problem is successfully identified, Jeff Provenzano decides whether an immediate response is necessary, communicates with the relevant parties, documents the action taken, and keeps copies of the relevant documents. When the problem is not urgent but requires a policy change, the Jeff Provenzano will develop and recommend specific policy changes. All new or revised policies are added to the existing IAQ Management Plan. All interested parties are informed about the measures taken to resolve the problem and of any policy changes.

6. COMMUNICATION POLICY

Communication is a critical element to successfully manage IAQ issues. Jeff Provenzano tries to limit misinformation and confusion through the use of effective communication. The IAQ Coordinator, Bart Shifler and other district employees communicate with relevant parties in a prompt, courteous, and consistent manner until the issue is resolved to the greatest extent possible. It is the goal of MSA to develop and maintain the trust of the staff.

Every time a concern is addressed or resolved, Jeff Provenzano reports the measures taken and the resolution of the identified concern to the appropriate parties. This will ensure that all interested parties know what action(s) have been taken.

7. IAQ CONCERN REPORTING AND RESPONSE POLICY

The MSA encourages the reporting of IAQ concerns, regardless of how trivial the issue may seem. The prompt reporting and resolution of IAQ issues has the potential to prevent serious problems from developing, which should prevent potential health effects, discomfort, and unnecessary costs. This makes the investigation of all reported concerns worthwhile.

Bart Shifler will require the concerned staff to submit their IAQ concern in writing. A written description of the concern should reduce misunderstanding and create a history that can be referred to at a future date. The EPA I-BEAM D-2 IAQ iOccupant Complaint Form has been made available to the staff.

This form should be completed and sent to Jeff Provenzano to initiate an official IAQ concern reporting process. Jeff Provenzano investigates the concern and the resolution of the issue will be documented and the interested parties will be informed in writing about the measures taken. IAQ documents and associated documents are located in Building Operations Department. Information collected is processed and stored according to the MSA's records retention policy.

8. EMERGENCY RESPONSE POLICY

Emergencies are defined as situations that require immediate action. This includes situations that are potentially life threatening, such as:

- complaints of headaches, nausea, and combustion odors;
- diagnosed Legionnaire's disease or tuberculosis; and
- spills of hazardous materials.

In addition, emergencies include situations where there is limited time available to prevent serious property damage or health problems, such as flooding in a carpeted area.

It is up to the discretion of the Jeff Provenzano to determine emergencies on a case-by-case basis, using the above definition as a general guideline only. If doubt exists about whether exposure to a specific hazard constitutes an emergency, a precautionary approach may be used where the matter is handled as an emergency. Non-emergency situations are addressed according to the "Concern Reporting and Response Policy", section 8. Jeff Provenzano or his designee will respond to emergencies immediately. If the problem cannot be resolved with in-house resources, external help will be requested. If a hazard poses an immediate health threat to the staff, the affected building areas

will be evacuated. All avenues of communication will be utilized to warn and inform interested parties in a prompt manner (see Communication Policy, section 6).

9. PREVENTIVE MAINTENANCE AND OPERATIONS POLICY

Preventive maintenance means the routine inspection, adjustment, and repair of building structures and systems, including the heating, ventilating, and air conditioning system (HVAC), unit ventilators, local exhaust, fresh air intakes, and flooring. Preventive maintenance plays a major role in maintaining the quality of air, by assuring that the building systems are operating effectively and efficiently. Moreover, it helps to maintain a comfortable temperature and humidity in occupied spaces.

10. CONSTRUCTION AND RENOVATION POLICY

The MSA considers indoor air quality when planning construction and renovation projects. Jeff Provenzano evaluates major structural changes that may impact IAQ. The findings from the walkthrough inspections and building systems evaluations are considered when planning renovations.

To the extent possible, major renovations are performed when staff is not in the building (ie weekends, holidays). If renovation projects must be performed while staff are present, the return air from any area being renovated is isolated from the main ventilation system. Engineering controls are used to contain and minimize the distribution of dust and other contaminants produced by construction activities. Cleaning operations are more frequent during and after renovation. Please see the Camden Yards Sports Complex Construction Management Plan for further details.

11. MICROBIAL MANAGEMENT POLICY

Microbials, such as fungi (for example, mold), bacteria, and viruses, are a significant cause of illness, health symptoms, and discomfort. Because the easiest way to control microbial growth is to control moisture, staff emphasizes moisture control to manage microbial growth.

The MSA pays close attention to water intrusion and microbial growth during the walkthrough inspections, buildings systems evaluations, and other efforts. The maintenance staff has been informed about identifying damaged buildings systems and components that cause water leaks and water condensation. Engineering staff is expected to make the necessary repairs and adjustments in a prompt manner. Materials damaged by water are replaced when possible. Materials that cannot be replaced and must be kept (this could include carpets, padding, ceiling tiles, sheet rock, and insulation) are dried, preferably within 24 hours, but no later than 48 hours. Materials contaminated with microbials are promptly cleaned or replaced. Mold growth is removed from non-porous surfaces with a strong brush and non-ammonia containing detergent and then by thorough drying.

Remediation projects that cannot be handled by engineering/cleaning staff are contracted to a professional. Large-scale remediation projects follow the guidelines in the “Construction and Renovation Policy” section 10, and additional control and protection measures may be necessary.

12. CLEANING AND CHEMICALS POLICY

Regular and thorough cleaning is an important means for the removal of air pollutant sources, however the use of cleaning products may also contribute to indoor air pollution. To ensure that cleaning practices remove pollutant sources while using cleaning products appropriately, cleaning guidelines have been created (reference the Camden Yards Sports Complex High Performance Green Cleaning Program).

13. FLOORING AND FURNISHING POLICY

Flooring can be a trap for allergens, and can be a source of potentially hazardous gases called “volatile organic compounds”, especially following installation. Carpets can be more difficult to properly maintain than hard flooring, and as a result carpets may accumulate more pollutants. When performing building systems evaluations, walkthrough inspections, and reviewing concern reports, the possibility of the carpet acting as the primary source of pollutant is considered.

14. EDUCATION OF STAFF POLICY

All MSA employees play an important role in maintaining and improving air quality since their behavior can affect the quality of the air present in MSA’s buildings. For example, placing heavy objects on unit ventilators, adjusting the room thermostats, or turning off noisy unit ventilators can worsen the quality of air in a room. An educated employee is more likely to take steps that maintain good air quality. In addition, an employee with an understanding of IAQ is more likely to report IAQ concerns quickly and accurately. For these reasons, the MSA staff is informed about IAQ documentation processes through internal meetings.

15. ANNUAL REVIEW

The MSA performs an annual review in order to make changes to the IAQ Management Plan. The annual review is necessary because changes may occur in the building systems, components, and occupants.

The annual review involves:

- building systems evaluations;
- walkthrough inspections;
- reviewing IAQ Complaint Forms and other information;
- discussing new issues
- changing the IAQ Management Plan as needed.

A brief description of the changes to the Plan is written and included in all future versions of the Plan. This creates a history of IAQ that should reduce the likelihood of repeating policies and procedures that were ineffective or inefficient.

Maryland Stadium Authority

Alteration and Addition Construction & Pre-Occupancy Indoor Air Quality (IAQ) Management Plan

Scope: The Maryland Stadium Authority (MSA) will implement this IAQ Management Plan prior to any alteration or addition to the building and space occupancy as specified for EQ Credit 1.5 of USGBC's Green Building Operations and Maintenance 2009 edition. This IAQ plan will establish goals and procedures to be implemented by the MSA and will be followed by all job site personnel. The Owner's objective is to reduce indoor air quality problems resulting from the construction/renovation process in order to help sustain the comfort and well-being of construction workers and ultimately the building occupants. The project is also pursuing LEED certification from the US Green Building Council (USGBC) and as such is required to establish this plan and document its progress through the renovated space's occupancy. The LEED credit that is being pursued with the section is EQc1.5. The General Contractor is responsible for meeting all requirements necessary for obtaining this credit.

IAQ Goals:

During construction the construction team will:

- Protect the permanent HVAC system from dust and odors by either keeping all openings sealed prior to operation; or then not activating it during construction or, if activated, implementing recommended control measures.
- Protect and absorptive/porous materials from fumes and odors.
- Minimize and possibility of mold growth inside the building.

IAQ Coordinator:

The General Contractor will designate a staff member as IAQ coordinator to implement and monitor this plan. This person will provide reference materials regarding LEED Credit EQc1.5 at the building for Owner and subcontractor use. The coordinator will enforce the no smoking policy inside and outside the building and document implantation of this plan with photos taken at a minimum of three times throughout the construction process in the interior of the building. These photos will show the plan being implemented (covered duct ends, swept areas, covered carpeting, wrapped drywall, etc...)

IAQ Strategies:

1. IAQ activities and issues will be discussed at each subcontractor coordination/safety meeting.
2. As each new subcontractor arrives at the building for the first time, the General Contractor will present him/her with a copy of the plan and discuss IAQ responsibilities of that particular subcontractor.
3. The GC will determine if permanent HVAC equipment will be operated during the renovation or if temporary heating and ventilation will be provided. Tentative delivery dates of the equipment should be established along with the dates of initial start-up.
4. The GC will coordinate activities necessary to meet SMACNA IAQ Guidelines for Occupied Buildings under Construction, 2nd edition 2007, ANSI/SMACNA 008-2008 (Chapter 3).
5. The GC will coordinate delivery, on site storage and installation of materials with weather and site conditions to limit the possibility of mold growth. Wet materials will not be used and all installed materials will be adequately protected from moisture.

6. Absorptive/porous materials stored on site or installed will be protected from dust and odors by isolating them from contaminated areas or sequencing installation well after contamination could occur.
7. All ductwork will arrive on site protected and remain as such until immediately before installation. All exposed edges of fiberglass duct insulation will be sealed with mastic before installation of ductwork and all openings in ducts will remain sealed until immediately before start up of equipment.

SMACNA Guidelines:

This standard provides specific measures to protect the HVAC system and ensure acceptable indoor air quality during construction. These measures are organized in five categories: HVAC Protection, Source Control, Pathway Interruption, Housekeeping and Scheduling.

1. HVAC Protection –If the system is used during construction all grilles and openings must be fitted for temporary filters of a MERV (Minimum Efficiency Reporting Value) of at least 8. Ductwork must also be protected before installation to prevent dust contamination. All filtration media must be replaced immediately before occupancy with filters having a MERV rating of 13.
2. Source Control – The project is required to use building materials and products with limited VOC (Volatile Organic Compounds) content. Fossil fuel burning equipment should be limited to use on exterior of the building away from intake louvers.
3. Pathway Interruption – This measure provides ways to isolate areas where harmful dust and/or odors are being generated from other areas of the building. Temporary barriers such as dust curtains are effective for this use. Pressurizing appropriate areas can also limit flow of contaminants as well as using 100% outside air for ventilation. Location of pollutant sources should be considered whether inside the building or on the exterior if near an intake louver.
4. Housekeeping – Increasing cleaning frequency of the jobsite helps to reduce collection of dust and potential for mold growth. HEPA vacuums should be used inside the building as well as wetting agents for dust control. All cleaning agents should be chosen and used with caution to avoid introducing additional harmful fumes unto the building.
5. Scheduling – Off hours work should be considered if any construction activity generates an unacceptable level of harmful dust or odor.
6. Flush-Out Procedure – A flush out of the renovated space will be performed after all construction work has been completed including punch list items and prior to occupancy of the space. If the space’s central HVAC system is being used to perform the flush-out, remove any temporary filters and duct coverings installed per the measures listed above. Install MERV 13 filtration where needed prior to the flush-out. Outside air is used to dilute and remove off-gassed contaminants. The quantity of outside air that must be introduced to the project space for the flush out is 14,000 cubic feet of air per square foot of floor area. The rate of outside air should not cause the interior temperature to drop below 60°F and the relative humidity should not exceed 60%. The initial flush out phase is complete when 3,500 cubic feet of air per square foot has been replaced. Occupants may move in after this initial flush out has been performed. The flush-out phase is complete once all 14,000 cubic feet of air per square foot has been supplied, at that time the HVAC system can be switched to its normal mode of operation.

Adhesives, Sealants, Paints and Coatings Purchasing Protocols

1. ALL adhesives and sealants used in the interior of the building (defined as inside the weatherproofing system and applied on site) must comply with the following reference standards:

Adhesives, Sealants and Sealant Primers: South Coast Air Quality Management District Rule #1168. VOC limits correspond to an effective date of July 1, 2005 and rule amendment date of January 7, 2005.

2. All Paints and coatings used in the interior of the building (defined as inside the weatherproofing system and applied on site) must comply with the following referenced standards:

Architectural paints, coatings and primers – Do not exceed VOC content limits established in: Green Seal Standard GS-11, Paints, First Edition, May 20, 1993.

Anti corrosive and Anti-rust paints applied to interior ferrous metal substrates – Do not exceed the VOC content limit of 250 g/l established in: Green Seal Standard GS-03, Anti-Corrosive Paints, Second Edition, January 7, 1997.

Clear wood finishes, floor coatings, stains, shellacs applied to interior elements – Do not exceed the VOC content limits established in: the South coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, rules in effect January 1, 2004.