

January 23, 2026

New Combination Harford Academy and Elementary School

ADDENDUM NO. 2

22419

TO THE CONTRACT DRAWINGS AND SPECIFICATIONS FOR THE REFERENCED PROJECT, DATED JANUARY 12, 2026, AS PREPARED BY GRIMM AND PARKER ARCHITECTS, 11720 BELTSVILLE DRIVE, SUITE 600, CALVERTON, MARYLAND 20705.

This Addendum includes changes and clarifications to the Contract Documents. The information includes the following:

PRE-BID CONFERENCE INFORMATION

Attendee Sign In Sheet

SPECIFICATION ITEMS:

ITEM NO. 1: SECTION 00 01 10 - TABLE OF CONTENTS

00 01 00-3 Division 08 - OPENINGS

ADD SECTION 08 33 13 COILING COUNTER DOORS

ITEM NO. 2: SECTION 00430 BID BOND (AIA 310)

REPLACE AIA 310 Draft with revised attached Bid Bond Form.

SECTION 00 08 30 -CONTRACT PACKAGES

REVISE Page numbers in page footer from page 49 on, per attached revised section 00 08 30.

00 0380-29 3.03.B.8

REVISE Item 8 to be read as follows:

Provide complete site-specific safety plan to be approved by the Construction Manager prior to commencement of the work.

00 0380-29 3.03.B.15

REVISE Item 15 to be read as follows:

Not Used.

00 08 30-30 3.03.B.19

REVISE Item 19 to be read as follows:

Furnish and install all sewer utilities, including but not limited to, piping, structures manholes, clean outs, concrete, reinforcing, riprap, stone, filter cloth, etc. related to the work or as required by the Contract Documents. Contractor shall flush the service upon completion of tie in. Contractor shall be responsible

for connections to existing sewer utilities inclusive of coordinating with the utility provider. All ends of utilities shall be capped and clearly marked above grade by the Contractor which installs their piping first.

00 08 30-65 3.14.A, list of specification sections, after Section 06 42 19 Plastic-Laminate-Faced Wood Paneling:

ADD 10 00 05 Miscellaneous Specialties.

00 08 30-88

ADD The scope Sketch CMSK014 for the Loading Dock per attached scope Sketch CMSK014.

ITEM NO. 3: SECTION 07 42 13 - METAL WALL PANELS

07 42 13-5

REVISE Paragraph 2.5.B.1 to read as follows:

1. Manufacturers and Profiles:

- a. Atas International, Inc.; DWH120 (without striations).
- b. Morin; Integrity Series; XG-12 (Basis-of-Design)
- c. Imetco; Latitude LW12S-6FB.

ITEM NO. 4: SECTION 07 81 00 - APPLIED FIRE PROTECTION

07 81 00-1

DELETE Paragraph 1.5.A.7 in its entirety.

07 81 00-4

DELETE Paragraph 2.2.A.10 in its entirety.

07 81 00-4

DELETE Paragraph 2.2.C in its entirety.

07 81 00-5

DELETE Paragraph 2.3.G in its entirety.

07 81 00-7

DELETE Paragraph 3.3.J in its entirety.

07 81 00-7

DELETE Paragraph 3.3.N in its entirety.

ITEM NO. 5: SECTION 08 11 16 - ALUMINUM FLUSH DOORS

REPLACE Section in its entirety, with attached revised section 08 11 16.

ITEM NO. 6: SECTION 08 14 16 - FLUSH WOOD DOORS

08 14 16-4

REVISE Paragraph 2.3.D.2 to read as follows:

2. Doors Designated within this Subparagraph 2.3.D.2: Minimum STC of 45 or better, calculated in accordance with ASTM E413, tested in accordance with ASTM E90.
 - a. Provide doors specifically designed for sound transmission control with a high density core and damping.
 - b. Refer to hardware specification for required hardware items.
 - c. Following doors must comply with these requirements:
 - 1) 207
 - 2) 283A
 - 3) 283B
 - 4) 241A
 - 5) 241B
 - 6) 289A
 - 7) 289B
 - 8) 301
 - 9) 327
 - 10) 411
 - 11) 412
 - 12) 507
 - 13) 511

ITEM NO. 7: SECTION 08 33 13 - COILING COUNTER DOORS

ADD New section attached.

ITEM NO. 8: SECTION 08 33 23 - OVERHEAD COILING DOORS

08 33 23-1

DELETE Paragraph 1.1.B in its entirety.

08 33 23-3

DELETE Paragraph 2.2.B in its entirety.

08 33 23-4

DELETE Paragraph 2.2.C in its entirety.

08 33 23-4

DELETE Paragraph 2.2.E in its entirety.

ITEM NO. 9: SECTION 08 41 13 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

08 41 13-5

REVISE Paragraph 2.2.F.1 to read as follows:

1. No evidence of water penetration through fixed glazing and framing areas, including entrance doors, when tested in accordance with a minimum static-air-pressure differential of 20 percent of positive wind-load design pressure, but not less than 12 lbf/sq. ft.

08 41 13-6

ADD New paragraph 2.3.A.4 to read as follows:
4. EFCO Corporation; XTherm 403X (exterior) and System 402 (interior).

08 41 13-6

ADD New paragraph 2.3.E.1.a.4) to read as follows:
4) EFCO Corporation; WV430 SSG.

ITEM NO. 10: SECTION 27 12 50 STRUCTURED CABLING FOR TELECOMMUNICATIONS

27 12 50-1 Part 1.3.A.1, first sentence:

DELETE “/multimode hybrid”

27 12 50-7 Part 2.1.A.6.a.5:

DELETE Complete line item

27 12 50-8 Part 2.1.B.2.b:

DELETE Complete line item

27 12 50-8 Part 2.1.B.3.a.1-6:

DELETE All line items under a. 1-6

27 12 50-11 Part 2.1.B.5.b:

DELETE “Multimode patch cables shall be aqua in color”

27 12 50-11 Part 2.1.C.1.a.1)a):

REVISE to “Basis of Design: StarTech 8K-A-50f-HDMI”

27 12 50-11 Part 2.1.C.1.a.1)c):

ADD “not to exceed 50 feet”

27 12 50-13 Part 3.2.B.4.:

REVISE from “unequal” to “equal”

ITEM NO. 11: SECTION 27 50 00 PUBLIC ADDRESS SYSTEM

REPLACE Entire spec section

DRAWING ITEMS: **ARCHITECTURAL**

ITEM NO. A1: **SHEET A000** **CODE REVIEW NOTES**

REVISE UL Design Number for Rated Roof Assembly to P719

REVISE UL Design Number for Rated Column Assembly to X790

ITEM NO. A2: SHEET A001 CODE STUDY FIRST FLOOR
ADD Rated Column symbol to column located at lines V.9 and 12.8

ITEM NO. A3: SHEET A003 CODE STUDY PENTHOUSE LEVEL
ADD Penthouse Vestibule, door PH06D, and door egress tag
ADD 2 hour rating at elevator shaft

ITEM NO. A4: SHEET A101A PARTIAL FIRST FLOOR PLAN – AREA A
ADD Wall tags to CMU walls at Secure Lobby V10

ITEM NO. A5: SHEET A103 PENTHOUSE PLANS
ADD Penthouse wall section references to plans A10, A18, E10, E18 and H18

ITEM NO. A6: SHEET A104 PENTHOUSE PLAN
ADD Penthouse Vestibule V06 and door PH06D
ADD Penthouse wall section references to plans A8 and A14.

ITEM NO. A7: SHEET A301 WALL TYPES AND WALL TERMINATION DETAILS
DELETE Detail H15 for alternate ground face base because alternate was removed from project

ITEM NO. A8: SHEET A304 DOOR SCHEDULE
ADD Revision column to schedule
ADD Note 11 to Typical Door Notes
REVISE Numbered remarks 11 and 12
REVISE Information on doors designated in revision column of schedule

ITEM NO. A9: SHEET A305 DOOR SCHEDULE
ADD Revision column to schedule
ADD Note 11 to Typical Door Notes
REVISE Numbered remarks 11 and 12
REVISE Information on doors designated in revision column of schedule

ITEM NO. A10: SHEET A308 FRAME ELEVATIONS
REVISE Head detail reference on frame type 04

ITEM NO. A11: SHEET A407 WALL SECTIONS
ADD Wall sections K15 and K6.
REVISE Curb height and section title in wall section K9

ITEM NO. A12: SHEET A411 WALL SECTIONS
ADD Wall Sections A16, J6, J8, K12 and K15

ITEM NO. A13: SHEET A415 EXTERIOR DOOR DETAILS
REVISE Expansion Jt. note at detail A7, A13, and A18.

ITEM NO. A14: SHEET A524 ENLARGED RAMP & PLAN SECTIONS
ADD PDS Platform Stair detail G14
REVISE Details A4, A8, and K14.

ITEM NO. A15: SHEET A611 INTERIOR ELEVATIONS
ADD Toilet Room wainscot to detail J13
ADD Base to detail L5

ITEM NO. A16: SHEET A613 INTERIOR ELEVATIONS
DELETE Donor Signage note and dimensions from detail G17.
ADD Fabric color to detail L15
REVISE View outline on detail E9

ITEM NO. A17: SHEET A614 INTERIOR ELEVATIONS
ADD Donor Signage note and dimensions on detail H8 .
REVISE Details J8 and D18 to show accent paint hatch
REVISE Paint colors on detail F8

ITEM NO. A18: SHEET A901A PARTIAL FIRST FLOOR FINISH PLAN – AREA A
DELETE Donor Signage note on detail A18 .
ADD Accent paint on detail A18
REVISE Accent paint color on detail A18

ITEM NO. A19: SHEET A901B PARTIAL FIRST FLOOR FINISH PLAN – AREA B
ADD Accent paint color on detail A18

ITEM NO. A20: SHEET A901C PARTIAL FIRST FLOOR FINISH PLAN – AREA C
ADD Accent paint on detail A18

ITEM NO. A21: SHEET A901D PARTIAL FIRST FLOOR FINISH PLAN – AREA D
ADD Accent paint on detail A18

ITEM NO. A22: SHEET 901E PARTIAL FIRST FLOOR FINISH PLAN – AREA E

ADD Donor Signage note on detail A18

ADD Accent paint on detail A18

ITEM NO. A23: SHEET 901F PARTIAL FIRST FLOOR FINISH PLAN – AREA F

ADD Accent paint on detail A18

ITEM NO. A24: SHEET 901H PARTIAL FIRST FLOOR FINISH PLAN – AREA F

ADD Accent paint on detail A18

DRAWING ITEMS: **STRUCTURAL**

ITEM NO. S1: SHEET S005 PORTAL FRAMES

ADD Concrete beam chamfer note in section C/S005.

ITEM NO. S2: SHEET S006 PORTAL FRAMES

ADD Dimension for top of foundation wall to first floor elevation in section A.

ADD Dimension for top of foundation wall to first floor elevation in section B.

ADD Dimension for top of foundation wall to first floor elevation in section C.

ADD Dimension for top of foundation wall to first floor elevation in section D.

ADD Dimension for top of foundation wall to first floor elevation in section E.

ITEM NO. S3: SHEET S007 PORTAL FRAMES

ADD Dimension for top of foundation wall to first floor elevation in section A.

ADD Dimension for top of foundation wall to first floor elevation in section B.

ADD Dimension for top of foundation wall to first floor elevation in section C.

ADD Dimension for top of foundation wall to first floor elevation in section D.

ADD Dimension for top of foundation wall to first floor elevation in section E.

ITEM NO. S4: SHEET S101A FOUNDATION AND SLAB ON GRADE PLAN – AREA A

REVISE Step footing elevation along gridline P between gridlines 13.1 and 11.5.

REVISE (5) Column sizes revised to C1A along gridline Z between gridlines 10-16.1.

REVISE (1) Column sizes revised to C1A along gridline 16 between gridlines Y-Z.

REVISE Column footing sizes at gridlines X-14.4, X-16, Z-15' and W-10.

ITEM NO. S5: SHEET S101B FOUNDATION AND SLAB ON GRADE PLAN – AREA B

ADD Step footing elevation callout at gridline L.4-16.9.

ADD Wall footing size callout at gridline 15.3 between gridline F* and H.
ADD Wall footing size callout at gridline H.9-12.

ITEM NO. S6: [SHEET S101C FOUNDATION AND SLAB ON GRADE PLAN – AREA C](#)

ADD Step footing elevation callout at gridline D*-4*.
DELETE Bus drop-off canopy columns and footings along gridline A* between gridlines 1.9*-2.8* for clarity. Canopy footings are shown on separate drawings.
ADD Column footing elevation at gridline A*-1.7*.
ADD Wall footing size callout at gridline 2* between gridlines E.5*-F*.
REVISE Wall footing size along gridline 3* between gridlines E*-E.5*.
REVISE Wall footing size along gridline 1.9* between gridlines E*-E.5*.
REVISE Wall footing size along gridline G* between gridlines 1*-2*.

ITEM NO. S7: [SHEET S101D FOUNDATION AND SLAB ON GRADE PLAN – AREA D](#)

REVISE Wall layout at gridline C-3.
REVISE Wall footing elevation around gridline C-5.8.
DELETE Unrelated gridlines at gridline A between 10.2-11.4.
ADD Wall footing size callout along gridline C between 1*- 5.8

ITEM NO. S8: [SHEET S101E FOUNDATION AND SLAB ON GRADE PLAN – AREA E](#)

REVISE Wall step footing elevation at greenhouse wall at gridline G'-2'.
DELETE Unrelated gridlines.
DELETE Bus drop-off canopy columns and footings along gridline B* between gridlines 4.1*-5* for clarity. Canopy footings are shown on separate drawings.
ADD Wall footing size callout along gridline 4.9* between gridlines D.4'-E'.
ADD Wall footing size callout along gridline 4' between gridlines E.2'-E.6'.

ITEM NO. S9: [SHEET S101F FOUNDATION AND SLAB ON GRADE PLAN – AREA F](#)

DELETE Unrelated gridlines.
ADD Missing dimensions between gridlines 11'-13', 3.1-2.2 and G-H.
ADD Wall step footing elevation callout between gridlines 13'-K'-K.1.
REVISE Wall step footing elevation along gridline 2' between gridlines J.8'-K'.

ITEM NO. S10: [SHEET S101G FOUNDATION AND SLAB ON GRADE PLAN – AREA G](#)

REVISE Masonry pier sizes along gridline 2.3' between gridlines N'-N.2'.
ADD Wall step footing size and elevation callout between gridlines 4.7'-N'-N.2'.
DELETE Wall foundation at gridline L'-L.2'-13'.
ADD Wall footing size callout at gridline N.8'-14.5'.

ITEM NO. S11: SHEET S101H FOUNDATION AND SLAB ON GRADE PLAN – AREA H
REVISE (9) Column footing sizes between gridlines U'-V' and 1'-11'.

ITEM NO. S12: SHEET S102A SECOND FLOOR AND MAIN ROOF FRAMING PLAN – AREA A
REVISE (7) Joists to steel beams between gridlines 16.9 - 5.1 and R.4 - U.
ADD Section cut N/S509 along gridline 5.
REVISE Section P/S506 to J/S506 callout along gridline V-5-15'.
REVISE Edge of opening along gridline Y between gridlines 11.3 and 11.5.
REVISE Top of steel elevation along gridline 5 between P-U.

ITEM NO. S13: SHEET S104 PENTHOUSE ROOF FRAMING PLAN – AREA A AND H
REVISE (5) Beam sizes and top of steel elevations along gridline X-8 and T-2.1'-15'.
DELETE Top of steel elevation along gridline 15'-X.

ITEM NO. S14: SHEET S201 BUS DROP OFF FOUNDATION PLAN
REVISE Footing elevations at gridlines 20.05 and 18.05.

ITEM NO. S15: SHEET S301 TYPICAL DETAILS
DELETE Section J/S301.

ITEM NO. S16: SHEET S303 TYPICAL DETAILS
REVISE Section G weld information.

ITEM NO. S17: SHEET S510 FRAMING SECTIONS
REVISE Sections A, B, C, D, E, and J as shown.
REVISE Section L per ARCH's details.

ITEM NO. S18: SHEET S511 FRAMING SECTIONS
REVISE Sections A, B, E, G, H, J, L, M, and N as shown.

DRAWING ITEMS: **MECHANICAL**

ITEM NO. M1: SHEET M102H PART SECOND FLOOR PLAN – DUCTWORK – AREA H
REVISE Location of DSS-19 and all associated ductwork to the penthouse level above.

ITEM NO. M2: SHEET M201E PART FIRST FLOOR PLAN – HVAC PIPING – AREA E
REVISE Location of thermostat to avoid casework.

ITEM NO. M3: SHEET M202H PART SECOND FLOOR PLAN – HVAC PIPING – AREA H
REVISE Location of DSS-19 and all associated piping to the penthouse level above.

ITEM NO. M4: SHEET M204 ROOF PLAN - HVAC
REVISE Location of DSS-19 piping to extend through exterior wall to ACCU-19.

ITEM NO. M5: SHEET M305 PENTHOUSE PLANS - HVAC
REVISE Location of DSS-19 to this level and upsize to serve the adjacent vestibule. Change drawing scale to fit the views better on the sheet.

ITEM NO. M6: SHEET M705 MECHANICAL SCHEDULES
REVISE Size of DSS-19/ACCU-19 (increase) to accommodate vestibule load.

DRAWING ITEMS: **PLUMBING**

ITEM NO. P1: SHEET P100H PART FOUNDATION PLAN – PLUMBING – AREA H
ADD Downspout boot connection to storm water.

ITEM NO. P2: SHEET P101A PART FIRST FLOOR PLAN - PLUMBING - AREA A
REVISE Storm water overflow size.

ITEM NO. P3: SHEET P101H PART FIRST FLOOR PLAN - PLUMBING - AREA H
ADD Downspout boot at canopy.

ITEM NO. P4: SHEET P102H PART SECOND FLOOR PLAN - PLUMBING - AREA H
REVISE Location of condensate piping for DSS-19 to penthouse.

ITEM NO. P5: SHEET P201 PART FLOOR PLANS - PLUMBING - AREA A
ADD Drawing note 29.

ITEM NO. P6: SHEET P208 PART FLOOR PLANS - PLUMBING - PENTHOUSES
REVISE Location of condensate piping for DSS-19 to penthouse.

DRAWING ITEMS: **ELECTRICAL**

ITEM NO. E1: SHEET E003 LIGHTING FIXTURE SCHEDULE
REVISE Description and model types of various lighting fixtures.

ITEM NO. E2: SHEET E102A PART SECOND FLOOR PLAN – POWER – AREA A
REVISE Mounting height of (5) receptacles.

ITEM NO. E3: SHEET E103 ROOF PLAN - POWER
REVISE Electrical panels and transformer locations.
REVISE DSS-19 location in penthouse.

ITEM NO. E4: SHEET E203 ROOF PLAN/PENTHOUSE – LIGHTING
REVISE Lighting fixture locations in penthouse.

ITEM NO. E5: SHEET E303 ROOF PLAN – FIRE ALARM
REVISE Fire alarm device locations in penthouse.

ITEM NO. E6: SHEET E404 PART FLOOR PLANS – ELECTRICAL – ELECTRICAL ROOMS
DELETE (4) Disconnects in various electrical part plans.

ITEM NO. E7: SHEET E701 ELECTRICAL SCHEDULES
REVISE DSS-19/ACCU-19 load information.

ITEM NO. E8: SHEET E710 PANELBOARD SCHEDULES – ELEC RM H1A
REVISE Panel schedule OSRPH1A.

DRAWING ITEMS: **TECHNOLOGY**

ITEM NO. T1: SHEET T903 TECHNOLOGY ROOM AND RACK DETAILS 1
DELETE Detail 2, item 2 requirements for 12 strand MM fiber backbone.

ITEM NO. T2: SHEET T905 PUBLIC ADDRESS SYSTEM DETAILS
REVISE Detail 1 line diagram to reflect using building single-mode fiber backbone.
REVISE Detail 1 notes to revise contractor scope of work including removal of fiber, switches, handsets, and electronics.

ITEM NO. T3: SHEET T907 CCTV SYSTEM
REVISE Detail 3 line diagram to reflect using building single-mode fiber backbone.

BIDDER'S QUESTIONS:

Please see Attachment C for Bidders Questions.

Attachments:

Attachment AA: Pre-Bid Sign in Sheet
Attachment A: Specifications
Attachment B: Drawings
Attachment C: Bidder Questions

End of Addendum No. 2

ATTACHMENT AA

NEW COMBINATION HARFORD ACADEMY AND ELEMENTARY SCHOOL

PRE-BID SIGN-IN

NEW COMBINATION HARFORD ACADEMY AND ELEMENTARY SCHOOL

PRE-BID SIGN-IN

NEW COMBINATION HARFORD ACADEMY AND ELEMENTARY SCHOOL

PRE-BID SIGN-IN

ATTACHMENT A

Bid Bond

CONTRACTOR:

(Name, legal status and address)

SURETY:

(Name, legal status and principal place of business)

OWNER:

(Name, legal status and address)

BOND AMOUNT: \$**PROJECT:**

(Name, location or address, and Project number, if any)

New Combination Harford Academy and Elementary School Project 301 North Fountain Green Road, Bel Air, MD 21015-2703

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

ADDITIONS AND DELETIONS:

The author of this document may have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

Signed and sealed this Sixteenth day of January , Two Thousand Twenty-Six

CONTRACTOR AS PRINCIPAL *(Signature)*

(Printed name and title)

(Witness)

SURETY *(Signature)*

(Printed name and title)

(Witness)

SECTION 00 83 00 – CONTRACT PACKAGES

PART 1 - GENERAL

1.01 PROPOSALS

- A. Proposals in compliance with the Invitation to Bid and Instructions to Bidders will be received for the contract packages included herein.

1.02 CONTRACT PACKAGE PROPOSALS

- A. All contract package proposals must include all items in the package. No exceptions, exclusions, or qualifications are permitted.

1.03 CONTRACTORS BIDDING MORE THAN ONE PACKAGE

- A. Contractors bidding more than one package must submit separate forms of proposal for each package.

1.04 QUESTIONS CONCERNING THE CONTRACT PACKAGE

- A. All questions concerning the contract packages, form of proposal, and all technical specifications must be brought to the attention of the Construction Manager in writing prior to bid.

1.05 BID PACKAGE INSTRUCTIONS

- A. Contract package instruction sections follow this section.
- B. The contract package instructions are provided to highlight portions of the work of each contract package and to include supplemental requirements. The contract package instructions are not intended to list every item of work that is required by the specifications assigned to each contract package.
- C. The Contractor shall provide all labor, materials, tools, and equipment necessary to complete all work in accordance with the complete set of Contract Documents. The Contractor shall perform all work required by the specifications noted in the Contract Packages and as further described in this section.
- D. In the event of a conflict between drawings or specified requirements, the Contractor will be responsible to provide the superior quality and/or quantity of product and installation.

1.06 DUPLICATION OF WORK

A. A duplication of any portion(s) of the work in another contract package shall not relieve the Contractor of his responsibility to include ALL of the work required by the contract package for which they are submitting a proposal. If any such duplication of work is discovered, the Construction Manager shall decide which contract(s) shall be adjusted to eliminate any such duplication of work.

PART 2 – GENERAL PROVISIONS

2.01 General

A. These general provisions apply to all of the work of the project.

1. Unless specifically noted otherwise, the term, "Contractor" or "Prime Contractor" shall mean the Contractor who will execute the Owner/Contractor Agreement for the specified Contract Package. Where the term "General Contractor" is used in the Contract Documents, it shall be interpreted as the Prime Contractor responsible for that portion of work.
2. Unless specifically noted otherwise, definitions are as follows:
 - a. Furnish shall mean "Deliver to the site in good condition and turn over to the Contractor who is to install."
 - b. Install shall mean "Receive and place in satisfactory operation."
 - c. Provide shall mean "Furnish and install complete, tested and ready for operation."
 - d. Verify shall mean "Verify in the field and coordinate dimensions and discrepancies."
3. These notes and other notes on the drawings are directions for the Contractor's performance, unless noted otherwise (U.N.O). For example, the verb "install" means "Contractor shall install..."; "relocate" means "Contractor shall relocate..."; etc.

2.02

All trades are to include Division 00 and Division 01 as part of the base bid and alternate pricing. All work is to be performed as shown on the plans and/or specified under the following sections. For specific scopes of work, contractors are to review their individual scope of work listed elsewhere within this specification section.

- A. The Contractor shall carefully review Division 00 and Division 01 requirements in their entirety prior to submitting a bid. The Contractor shall include all administrative work described in Divisions 00 and 01 as being required of the Contractor, as part of his scope of work to be included in his Contract. The Contractor shall also include in his bid the cost of all work that is described in the General Conditions and is directly related to his division of work, as the Contractor.
- B. Contractor is directed to Division 00 – Procurement and Contracting Requirements and Division 01 – General Requirements for additional scheduling requirements and constraints.
- C. Contractor shall be aware of the list of unit prices included in Division 00 – Procurement and Contracting. The unit prices shown shall become part of the Agreement between the Owner and Contractor.
- D. In addition to the above, trade contractors are to include, but are not limited to, AIA Documents A132 and A232, and various other Technical Specifications interfacing with this work. The Contractors are required to review the work descriptions of the other categories so as to not misunderstand the scope responsibilities. The Contractors are

also bound to the J. Vinton Schafer Safety Manual and all related weekly and daily documentation for New Combination Harford Academy and Elementary School for the administration of the contract.

2.03 THE SCOPE OF WORK IS TO INCLUDE, but is not limited to, the following items:

A. Permits, Testing and Inspections

1. All testing associated with this Contractor's work will be furnished by the Construction Manager and/or Owner unless specifically called out to be this Contractor's responsibility. Contractor shall provide all materials to be tested to the Construction Manager.
2. Contractor shall coordinate with all jurisdictional agencies and inspectors.
3. Contractor shall perform all work to comply with the rules and the regulations of the governing bodies and state local laws. Contractor shall obtain all required bonds and permits, secure all inspections, and provide all tests and certifications required by code. Contractor shall provide copies of all its permits and inspection certificates to the Construction Manager for their records.
4. This Contractor is responsible for providing the required testing and certification through an approved agency for all equipment assemblies that require a UL rating.
5. Provide start up services, testing, turnover and warranty of all materials and equipment, as per specifications. Submit a turnover plan as part of the submittal process indicating the equipment, testing, reporting and witnessing requirements.
6. Contractor shall participate in the commissioning process per the specifications.
7. Contractor shall provide any and all trade certifications, licenses, and sign-offs required to secure any and all approvals, permits, and certifications.
8. Contractor shall secure and pay for all permits and fees required to complete their work. Copies of all permits and permit drawings shall be transmitted to the Construction Manager for record.
9. Contractor shall obtain all required permits, secure all inspections and provide all tests and inspection required to obtain Use and Occupancy permit for work performed as part of this contract package.
10. Contractors shall be aware of the location of all local airports. Contractors shall adhere to all regulations required inclusive of obtaining any required permitting.
11. Contractor shall perform and acknowledges required systems testing and inspections will be a non-contiguous phased process in order to accommodate phasing requirements or to allow work by follow-on Contractors to progress in accordance with the schedule or sequence of work as soon as possible. Each Contractor shall be responsible for the cost of any inspections unless specifically called to be provided by the Owner. Each Contractor will be responsible for any re-testing or re-inspection costs incurred by any entity as a result of the Contractor's failure to meet testing and inspection criteria on the initial inspection. Contractor shall be responsible for any and all costs, inclusive of additional trade costs to make up time, as a result of failed inspections.

B. Submittals

1. CADD documents may be available for use by this Contractor for a fee TBD by the Architect. Contractor agrees to sign waiver and assumes all liability and understands this is solely for their beneficial use for preparation of BIM files, shop and coordination drawings. Failure to provide CADD in a timely fashion does not relieve this contractor of responsibility of submission time frames dictated here- in. Any delay in construction

due to a delay in the submittal and or procurement process will be this contractor's responsibility. Any and all acceleration costs of subsequent trades will be the responsibility of this contractor.

2. Contractor shall provide all required submittals to the Construction Manager within forty-five (45) days after issuance of a "Letter of Intent", "Notice to Proceed" or the Contract, whichever is issued first. At the discretion of the Construction Manager and as required for fabrication and delivery, Contractor may be required to provide submittals sooner to avoid delay to the work of all other Contractors. Contractor shall use a submittal cover sheet with all applicable required information completed, conforming and in accordance with the contract for New Combination Harford Academy and Elementary School. No substitutions will be allowed without prior written approval from Harford County Public School System. All substitutions must be clearly identified as such and conform to the Specification Section 01 61 00, Common Product Requirements. Non-conforming submittals will be rejected and shall not be considered cause for schedule delay. Failure to meet this milestone requirement will result in the withholding of payment in full to the Contractor until all submittal requirements are met. Critical submittals include, but are not limited to, reinforcement, steel layout, doors/hardware, HVAC Equipment, fire alarm, sprinkler, and electrical distribution.
3. In the event that a Contractor should provide a substitution or a product that differs from the basis of design and causes costs to other Contractors as a result of this product, the Contractor supplying the differing product shall be responsible for all costs incurred by others as a result of these changes. No substitutions shall be made after bid.
4. Contractor shall provide all required submittals electronically through the Construction Management software (software access will be provided by the Construction Manager at no cost to the Contractor). This is to include Shop drawings and product data submittals. The intent of electronic submittals is to expedite the construction process by reducing paperwork, improving information flow, and decreasing turnaround time. The electronic submittal process is not intended for color samples, color charts, physical material samples, or close out submittals.
5. Construction Manager will review three submissions (one original and up to two revised submissions) on any single component requested for review. If the contractor and/or vendor fail to comply with the drawings, specifications, and/or review comments and additional submissions are required, the cost for review and processing of those submissions will be borne by the contractor.

C. BIM Coordination Requirements

1. This Construction Coordination Plan provides the framework within which J. Vinton Schafer will deploy Building Information Modeling (BIM) technology for the construction coordination. This plan will delineate the roles and responsibilities of contractors 04A Masonry, 05A Steel, 06A General Trades, 11A Kitchen Equipment, 15A Mechanical/Plumbing/Fire Protection and 16A Electrical, sets forth the detail and scope of information to be provided by each party and shared among the parties, and specifies relevant business processes and supporting software.
2. Summary of Construction Coordination Process
 - a. As the Construction Manager, J. Vinton Schafer shall manage the use of construction coordination models throughout the construction process. All coordination-related information shall be exchanged through the Construction Management Software site managed by J. Vinton Schafer. Each Trade Contractor shall be responsible to coordinate his work with each trade. However, the Mechanical Contractor will be responsible to lead the coordination process. J. Vinton Schafer shall play the role of the Quality Control Manager during this

process.

- b. Utilizing Architectural design models and fabrication/coordination models prepared and submitted by the listed trade contractors, J. Vinton Schafer will maintain an up-to-date Federated model throughout the construction phase. The Federated model will be used to fully and properly coordinate and sequence the work of the trades, to maximize efficiencies during construction. Conflicts in the layout and sequencing of the work will be discussed and resolved in a series of periodic construction coordination meetings. Coordination processes such as clash detection, submittals, trade sequencing, etc. shall be performed using the Construction Coordination model. The shop drawings submitted for records and approval will be generated from the Construction Coordination model or from individual models therein.
- c. The Construction Coordination model will be updated and maintained throughout construction to create an accurate as-built digital record of the construction of the project. The as-built model will be conveyed to the Owner on completion of construction, as a tool to assist owner in facility operation and maintenance.
- d. All Steel, Mechanical, Plumbing, Electrical and Fire Protection Trade Contractors will be required to prepare 3D coordination models compatible with latest AutoCAD, Revit and Navisworks software. For clash detection to work properly, all models shall have a common reference point, which shall be derived from the Architectural Design Model. All costs shall be included in the contractors bid.
- e. The Mechanical Contractor will take the lead and develop a drawing list for approval by the Construction Manager subdividing the building into separate areas. The drawing list will be for submission and will indicate a submission schedule coordinated with the construction activities. The drawings shall be developed in a sequential fashion to not to delay installation of the work or the overall project schedule. The Construction Manager shall prepare a schedule identifying the activity and duration of each submission.
- f. The Mechanical Contractor will call meetings, weekly, or as required, which all required Trade Contractors and subcontractors, attendance is mandatory to avoid delays. Such meeting can be held via web conference if agreed upon mutually by all parties. Failure to attend will require the Contractor and/or subcontractor to field run the work not coordinated. No extra compensation will be paid to any Trade Contractor and/or subcontractor for relocating any equipment, duct, pipe, conduit or other material that has been installed without proper coordination. If the installation of any uncoordinated work or improper installation or coordinated work necessitates additional work by other Trade Contractor and/or subcontractors, the cost of such additional work shall be assessed to the Contractor responsible as determined by the Construction Manager.
- g. At the conclusion of each coordination phase, the Mechanical Contractor will notify the Construction Manager whereupon an onsite coordination meeting will be scheduled for signing off on each respective area. After the review and approval of coordination in 3D, the Mechanical Contractor shall provide a color composite set of drawings. Each trade contractor indicating their acceptance and approval of the indicated routings and layouts and their relationship with the adjoining or contiguous work of all contractors shall then sign off these final composite drawings. After final composite drawings have been accepted and approved, the Mechanical Contractor shall provide the composite drawings digitally to all contractors and sub-contractors through the Construction Management Software site and will submit two (2) set of prints for submittal purposes to the Construction Manager. The original signed off drawing shall be sent to the Construction Manager for permanent possession.

- h. Apart from the composite drawings, each trade contractor will produce shop drawings specific to their trade for submittal. These shop drawings must be produced from the coordinated 3D model. In the preparation of all the final shop drawings, large-scale details as well as cross and longitudinal sections shall be made as required to fully delineate all conditions. Particular attention shall be given to the locations, size and clearance dimensions of equipment items, shafts and similar features. The final shop drawings shall include the locations of all controls, tie- ins, connections for other contractor's work, and pipe and duct insulation as required.
- i. No contractor will be authorized to release any material for fabrication or installation until the shop drawing(s) has been approved by the Construction Manager, Architect, and the Owner. Therefore, no unauthorized deviations will be permitted. If deviations are made without the knowledge and agreement of the Construction Manager and other affected contractors, the work in question will be subject to removal and correction at no additional cost to the Owner.
- j. Where conflicts are found in the Model, regardless of the phase of the Project or Level of Detail (LOD), the discovering party shall promptly notify the Model Element Author(s). Upon such notification, the Model Element Author shall act promptly to mitigate the conflict.
- k. At the conclusion of each coordination phase, the 15A Mechanical contractor will notify the Construction Manager whereupon an onsite coordination meeting will be scheduled for the purpose of signing off on each respective area. After the review and approval of coordination in 3D, the 15A Mechanical contractor shall provide one color composite set of drawings and forward them to the Construction Manager.
- l. In the preparation of all the final composite drawings, large scale details as well as cross and longitudinal sections shall be made as required to fully delineate all conditions. Particular attention shall be given to the locations, size and clearance dimensions of equipment items, shafts and similar features. The final composite drawings shall include the locations of all controls, tie-ins, connections for other contractor's work, and pipe and duct insulation as required. Each trade contractor indicating their acceptance and approval of the indicated routings and layouts and their relationship with the adjoining or contiguous work of all contractors shall then sign off these final composite drawings. Therefore, no unauthorized deviations will be permitted. If deviations are made without the knowledge and agreement of the Construction Manager and other affected contractors, the work in question will be subject to removal and correction at no additional cost to the Owner.
- m. After final composite drawings have been accepted and approved, the 15A Mechanical contractor shall print one (1) color copy to be signed by all contractors. The 15A Mechanical contractor shall provide the composite drawings digitally to all contractors through the J. Vinton Schafer FTP site and will also submit two (2) set of prints for submittal purposes to the Construction Manager. The original signed off drawing shall be sent to the Construction Manager for permanent possession.
- n. No contractor will be authorized to release any material for fabrication or installation until the composite drawing(s) has been prepared and the signature process is executed and approved by the Construction Manager.

D. LEED

1. Contractor is aware this is a LEED project and will make every effort to comply in a timely fashion with requests of the Construction Manager to properly plan and document this project.

2. Contractor is aware of and is in compliance with all LEED requirements pertaining to this work.
3. Contractors shall cooperate and provide any additional information needed for any LEED credit as requested by Owner, Construction Manager, Architect, Consultant, USGBC, and GBCI. Contractor shall provide all required LEED Credit documentation to Construction Manager for successful upload by Construction Manager to LEED Online. Construction Manager shall provide to Contractors an electronic copy of the LEED Online templates. Trades are required to accurately input LEED data and submit completed and updated electronic templates to Construction Manager attached to pencil copy of monthly application for payment. Additionally, Contractor shall provide copies of all backup documentation i.e., product data, delivery tickets, manifests, etc. for each LEED credit with Monthly pencil copies of application for payment. In the event monthly LEED template updates are not submitted and/or submitted templates do not meet with the approval of the Construction Manager, Owner, Architect or consultant, payments, in full, shall be held. After submission of final LEED template to LEED Online by Construction Manager, Contractors shall provide to Construction Manager all LEED related clarifications, additional documentation and information requested by Owner, Construction Manager, Architect, LEED Consultant, USGBC, GBCI until LEED/GBCI approval of construction credits is achieved. Additional documentation shall be submitted to Construction Manager within 5 working days from date requested by Construction Manager. In addition, all submittals must include the LEED Submittal Summary Form. Any item submitted to the Construction Manager without this form will be rejected.
4. Contractor shall comply with the Indoor Air Quality Plan and shall implement, monitor, and enforce the provisions thereof with all Contractors working on the project. Contractor shall perform all the Indoor Air Quality work and provide all the documentation as required by Construction Manager. All tools and equipment utilized on this project shall be used in compliance with the Indoor Air Quality Plan.

E. Safety

1. Contractor shall be required to conduct his activities in a safe manner and shall be responsible for observing the safety regulations of MOSH, OSHA, and local life safety agencies.
 - a. Comply with all applicable laws, ordinances, rules, regulations, and orders of the governing authorities having jurisdiction for safety of persons and property to protect them from damage, injury, or loss.
 - b. Erect and maintain as required by conditions and progress of the work, all necessary safeguards for safety and protection, including fences, railings, barricades, hole coverings, lighting, posting of danger signs, and other warnings against hazard.
 - c. Contractors shall be responsible for removing and reinstalling any existing safety measures set in place which affects their work.
 - d. Be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with this project.
 - e. Contractor shall provide and maintain safe and secure protection of all openings and excavations created by his work. Barricade open excavations and provide warning lights from dusk to dawn each day.
 - f. Conduct required Safety Meetings and shall provide a copy of the minutes and attendance list for each meeting to the Construction Manager's Superintendent as requested.
 - g. Contractor shall adhere to Site Specific Safety Plan as determined by the Owner and Construction Manager.

- h. Be liable for all costs incurred by the Owner and Construction Manager as a result of the Contractor's failure to comply.
2. Contractors shall install any required protection systems as necessary for holes, excavations, edges, etc. created as a result of their work. Contractors who follow work at these locations will remove, modify, and reinstall protection systems as required to maintain safe and secure protection at the completion of their work.
3. Contractor shall furnish, install, provide, and maintain all traffic control (including flagmen) for this Contractor's work as required by the Contract Documents and/or governing authorities having jurisdiction over them.
4. Contractor shall furnish, install, and maintain all safety and/or warning signs as required for this work and/or per the direction of the authorities having jurisdiction over the work.
5. Contractor shall furnish, install, and maintain all fall protection and barricades, including toe boards, with its scaffolding systems and when working adjacent to edge of slabs.
6. All on site personnel must follow the Owner and Construction Managers Site Specific Safety Plan requirements including requirements for proper attire including, but not limited to fluorescent safety vests (provide by Contractors) and hard hat identification stickers (provided by Construction Manager).

F. Bonds and Releases

1. Contractor includes a 100% performance bond and a 100% payment bond from a surety company acceptable to the Construction Manager. Contractor also includes a bid bond per the specifications.
2. Contractor to include with first pay application detailed list of all second-tier subcontractors, suppliers etc. for those furnishing any hauling, labor or material over \$500 in value. From the second pay application through the completion of the project, second tier partial lien release(s) will be required to be submitted with the contractor's pay application as condition of payment. With contractor's final pay application, contractor will be required to submit final second tier supplier/subcontractor lien release(s) as condition of payment.

G. Punchlist, As-Builts, Warranties, O&M's, and Closeout

1. Contractor shall maintain a set of Record Drawings as required by the Contract Documents. Contractor will also assist the Construction Manager with updating the Construction Manager's field Record Drawings. Contractor understands that Record Drawings will be checked on a weekly basis and will be reviewed as a prerequisite to requisition approval. Contractor shall submit two sets of final certified Record Drawings within ten (10) days following substantial completion to the Construction Manager. Contractor shall provide complete Operation and Maintenance Manuals with spare parts list within ten (10) days following Substantial Completion to the Construction Manager. In addition to the required paper and pdf copies of *Record Drawings* required by specifications, the 05A, 15A, and 16A contractors are required to submit final as built BIM files within thirty (30) days of final completion of the project. In no case will retainage be reduced prior to receipt of Record Drawings and Operation and Maintenance Manuals.
2. The 04A, 05A, 06A, 11A, 15A and 16A contractors must participate in BIM coordination. 15A Contractor to take the lead, per the 15A scope of work. Aforementioned contractors are encouraged to review the 15A scope of work to become familiar with their respective responsibilities.
3. Contractor is required to hire a *Civil Engineer licensed in the State of Maryland* to

perform certified as-builts for service utility work.

4. Contractor to participate in J Vinton Schafer's Punchlist Program. All final punch list work developed by the Architect, Engineers, and Owner are to be completed with two weeks of receipt. All work to complete lists issued by J. Vinton Schafer are to be complete within two weeks of receipt. Failure to perform in a timely fashion will result in J. Vinton Schafer performing the work at your expense and will be back charged accordingly. In addition to the cost of the work being back charged, a fee of \$50 per day per item will also be accessed until the work is completed.
5. Contractors shall participate in the Construction Manager's Quality Control Program and complete required documentation as directed by the Construction Manager.
6. Contractors shall review each area and prepare and complete their own punch list for work performed under their Contract Package as required for the Project Schedule. Contractors will provide their punch list to the Construction Manager.
7. Final cleaning will be provided by the 6A Prime Contractor prior to production of the Architect's Punch List. Contractors shall provide final cleaning for any areas where punch list work is being completed. Any recleaning required from the completion of punch list work will be at the contractor's expense.
8. Contractor shall be responsible for all training requirements for all equipment and systems it has installed per the specifications. Contractor includes professional recording of all required training. Media to be provided within ten (10) days of final training session. *Refer to specifications for specific requirements regarding Punchlist, As-builts, Warranties, O&M's, Close-out & Training.*
9. Contractor shall be responsible for replacing and repairing at no cost to the Owner and / or the Construction Manager any work performed by this Contractor that is determined to be unacceptable to the Owner, Architect, Construction Manager, and / or applicable inspectors. In said event, the Contractor shall coordinate and prioritize its work as to eliminate impact to the project schedule.
10. Contractor warrants its work in accordance with the requirements of the specifications. If no guarantee or warranty is called out within the specifications, then the Contractor shall guarantee or warranty its work against deficiencies and defects in materials and / or workmanship for two (2) years from the date of substantial completion of all or a portion designated by the Construction Manager and Owner. Contractor shall furnish all operations manuals, maintenance manuals, cleaning instructions, supplier / manufacturer warranties, and the like for all work performed.
11. Contractor shall provide start up services, turnover, and warranty of all materials and equipment, as per specifications. Contractor shall submit a turnover plan as part of the submittal process indicating the equipment, testing, reporting, and witnessing requirements.
12. Contractor includes and agrees to create separate line items in the schedule of values to address submittals, mock-ups, Punchlist, General Clean Up, safety and As-builts/Closeout Documentation. Dollar value will be based on overall value of contract in accordance with J. Vinton Schafer's internal policy. Contractor can expect line items to range from 1%-3% of contract value. This is in addition to the retainage requirements of the contract. Monies will be released on a monthly basis, determined by contractor's performance in each respective category, similar to any other line item in the schedule of values.
13. Contractor to provide detailed list of all MEP equipment furnished under their respective contracts on the project including serial number(s) and room location, or above ceiling location. List to be provided within (10) days following substantial completion.
14. Contractor to include attic stock per the specifications. Contractor to submit list within 90 days of award the required attic stock per the specifications for review and approval by Construction Manager. Any materials originally intended for attic stock,

which were used during project completion will be replaced at no charge to the owner within 4 weeks following substantial completion. All attic stock will be given in full packaging. Where specifications call for a percentage, material will be rounded up to the next full package. Opened material will not be accepted for attic stock.

15. Contractor shall immediately begin work on draft closeout submittals and draft Operation and Maintenance Manuals upon completion of all shop drawings, submittals, and samples. All draft closeout submittals and draft Operation and Maintenance manuals shall be due for review no later than thirty (30) days following the completion of product data, shop drawings, and sample submittals.
16. As a prerequisite to payment for equipment, whether stored on-site or off-site, Contractor shall submit to the Construction Manager a preliminary copy of the equipment Operations and Maintenance Manual.

H. Clean Up

1. The Contractor shall provide daily clean-up and disposal to dumpsters of all trash, debris, and excess material generated by this work. Means and Methods shall be as required within the 06A Contractor's Waste Management Plan for the Project. Dunnage, boxes, or other non-hazardous flammable materials must be removed to the dumpster immediately and shall not accumulate on the jobsite. Hazardous materials may not be disposed of in the dumpster and must be disposed of off- site by the Contractor, at the Contractor's expense. Contractors shall provide manpower to assist in daily and weekly general jobsite cleanup regardless of source. Jobsite shall be kept in a broom swept appearance at all times by all contractors on site. Should the Contractor's cleanup be unsatisfactory, the Construction Manager shall perform the work at the Contractor's expense.
2. The Contractor will be required to dedicate one laborer man day for site cleanup for every 300 man-hours worked, for all work associated with their contract package inclusive of Subcontractors hours, to be used at the CM's discretion. This is in addition to your daily required cleanup efforts. Contractors are responsible for providing brooms, sweeping compounds, mops, shop vacuums, trash cans, etc.
3. When performing cleaning work, use only approved HEPA type vacuum units. No "blowing out" (pressure cleaning) will be allowed.
4. 02A & 02B Contractors shall provide washdown personnel at the site entrance during normal working hours. Contractors shall be responsible for their own washdown for any off-hour work.

I. Schedule

1. This work shall be performed in accordance with the schedule as updated irrespective of the amount of overtime or level of manpower required. The Contractor shall not be entitled to any damages or other compensation from the Owner or Construction Manager by reason of delay or interruption of its work caused by other Contractors working on the project, weather impact, permit issuance, inability to provide proper manpower due to illness or death, or Owner related delays. Incorporated into the project schedule are days for inclement weather. The Owner or Construction Manager will not be charged for any incidental stand-by-time by the Contractor, or any of its agents, sub- subcontractors, suppliers, vendors, or deliveries.
2. The Construction Manager has developed a CPM Schedule. In order to assist in the coordination of activities, the Trade Contractor and the Construction Manager will meet within twenty (20) days of execution of this contract. The purpose of the meeting will be to discuss specific start dates, durations, and to eliminate potential schedule conflicts. This schedule will reflect commencement, completion, and any milestone dates established elsewhere in the Contract Documents.

3. Contractor to submit for review and approval an Execution plan for each item of work provided under this contract. Contractor to compare with the CPM schedule for the project and notify any discrepancy in writing to allow for CM to properly make adjustments, when necessary and allowable, to the CPM schedule. Execution plan is due within twenty (20) days of issuance of "Letter of Intent" or "Contract", whichever is issued first. Contractor acknowledges specified laydown, staging, etc. areas may have to be adjusted/relocated during the course of construction, Contractor agrees to be in compliance at no additional cost to Construction Manager or the Owner
4. The Prime Contractor agrees that if, in the good faith judgment of the Construction Manager, the Contract completion date will not be met, the Trade Contractor shall immediately, without any further direction, take any and / or all of the following actions and any other additional actions as otherwise directed by the Construction Manager, necessary to insure timely completion, at no additional cost to the Construction Manager and / or Owner.
 - a. Increase the Trade Contractor's manpower in such quantities and crafts that will insure, in the good faith judgment of the Construction Manager, timely completion of the Contract completion dates
 - b. Increase the number of working hours per shift, shifts working per day, working days per week, the amount of construction equipment, and/or any combination thereof, that will insure, in the good faith judgment of the Construction Manager, timely completion of the Contract completion dates.
 - c. Reschedule activities to achieve maximum practical concurrency of accomplishment of activities that will insure, in the good faith judgment of the Construction Manager, timely completion of the Contract completion dates.
5. Notwithstanding anything to the contrary elsewhere in the Contract Documents, the Construction Manager will publish a construction schedule. This schedule will include input from all Contractors. Prior to the issuance of the construction schedule, the Construction Manager will publish preliminary schedules for Contractor comment and input. The Construction Manager will be the sole and final judge of activity sequence and duration. The construction schedule published by the Construction Manager will be the baseline from which progress will be measured and will be contractually binding.
6. Within ten (10) days after "Notice of Intent to Award" or Contract, whichever is issued first, Contractor shall furnish Construction Manager with a Procurement Schedule for major equipment items. As a minimum, this schedule shall include: description of equipment, vendor name and contact information, projected date for submission of shop drawings, number of weeks for fabrication and delivery after receipt of approved shop drawings, installation duration, start up and test duration. In addition, Contractor shall also provide information as necessary for Construction Manager to finalize detailed project schedule inclusive of activities and durations. No activities shall have durations longer than 10 working days.
7. The schedule requires overtime, Saturdays, or Sundays to be used as a make-up day for time lost due to weather at no cost to the owner. Contractors are to man, equip, and provide materials to meet the workday durations indicated in the schedule and meet milestones established in the documents. Weekend work may be required throughout the project with no cost to the owner as required for phasing requirements, shutdowns, moving, etc.
8. Contractor shall furnish to the Construction Manager copies of all subcontracts and purchase orders relating to this project, to assure HCPS of timely commitment to the contract schedule.

J. Miscellaneous Scope:

1. Contractor shall provide layout, engineering, and coordination with other trades. Contractors are responsible for layout of their work.
2. Contractor's price includes cost increase in material prices during the course of the project and Contractor shall not be compensated in any way for the cost increase.
3. Contractor shall submit within 30 days after receipt of Contract, or with the first change request, whichever is earlier, built-up wage rates for each type of employee which will be used by the prime on all costs proposals for the remainder of the job (yearly increases due to salary increases, union agreements, etc. are allowable with adequate documentation) to the CM for approval. The contractor must certify that the built-up wage rates are correct and auditable as submitted. This rate shall be the total sum of the employee's actual Base Rate + Fringe Benefits + Payroll Taxes + Insurance (break down by Workman's Comp & Liability, each shown as % of base rate). If the CM and contractor cannot agree on built-up wage rates, the Owner shall have the right to immediately audit the contractor's employee wage and time records. No change orders will be executed prior to the approval of wage rates.
4. Upon request from the Owner, Construction Manager, Architect or Engineer, the Contractor shall be required to provide names of any Sub Contractors within 24 hours after bid opening.
5. Contractor shall comply with the Wage Scale Requirements provided with this contract. Contractor will be responsible for the prompt submission of certified payroll to DLLR and shall notify the Construction Manager for every submission and shall provide copies (if required) to the Owner and Construction Manager. The Construction Manager will monitor submissions to DLLR and will retain potential penalty amounts, from the Contractor's pay application, if the Contractor is found to be in non-compliance with DLLR. Contractor shall be responsible and shall ensure that second-tier subcontractors are in compliance with Wage Scale Requirements and submissions to DLLR. Contractor shall provide a list of all second-tier subcontractors including contact information within 30 days from Notice to Proceed or Contract Award.
6. Each Prime Contractor shall provide two-weeks advance notice prior to mobilization of its own forces or those of its subcontractors and shall email the Construction Management project team to document their first day on site. Any disputes and/or fines assigned by DLLR including but not limited to late submissions, restitution for underpayment of scale rates, etc. shall be solely borne by the Prime Contractor, not the Owner or Construction Manager. Confirming first and last day on site of its own forces and that of its subcontractors shall solely be the responsibility of the Prime Contractor. Retainage reduction and/or final payment will not be considered until the Prime Contractor provides documentation that they and all Subcontractors are closed out with DLLR and there are no further outstanding issues. DLLR must confirm project is closed out in writing.
7. Contractor shall be required to carefully review all alternate proposal requests contained within the Contract Documents. Contractor shall provide costs for all work contained in the alternates, associated and/or specifically indicated as part of the Contract Package. Contractor shall be responsible for providing all such work upon acceptance of the alternates by the Owner.
8. Contractor shall perform its own survey of existing conditions and is encouraged to visit the site prior to bid and notify the Construction Manager of any discrepancy. Start of work shall constitute this Contractor's acceptance of the existing conditions.
9. Contractor is responsible for providing a complete and operational scope of work in accordance with the Contract Documents and all state, county, and local authority having jurisdiction over the work.
10. Contractor has a full understanding and knowledge of contract documents and takes full responsibility for their implementation and coordination.

11. Contractor shall be responsible for the cost of all drawing reproduction required for their work.
12. Contractor is responsible for dewatering any and all excavations created by this Contractor caused by any means including rainwater, run-off from perimeter properties, underground water, leeching water, underground streams, and the like. Contractor is responsible for cleaning of substrate which Contractor's work is to be applied to, i.e. cleaning of footings in order to start masonry.
13. Contractor shall provide all pumping, dewatering, truck access (closed meters and permits if required), temporary misc. shoring and temporary protection to perform the work.
14. Multiple mobilizations may be required and are included within this Contractor's work. Contractor shall mobilize as many times as the project schedule requires at no additional cost. Contractor shall coordinate operations with other Contractors as required to maintain project progress and access at all times.
15. If there are Owner, Construction Manager, or other trade furnished items that are to be installed by this Contractor, this Contractor must provide a minimum thirty (30) day written notice to the Construction Manager prior to the installation date of each item. The Contractor shall be liable for costs associated with delay should this Contractor fail to meet this requirement. This Contractor shall schedule, receive, inspect, inventory, store, rig, and install all items furnished by others that are to be installed by this Contractor. Contractor is responsible at the time of delivery for the verification of these items for correctness and shall report any discrepancies in writing to the Construction Manager within forty-eight (48) hours. If discrepancies are not reported within that time frame, the Contractor shall be responsible for those items in its charge. Installing contractor is expected and has included unloading, uncrating, distribution, cleanup of associated trash, hoisting, etc.; All required miscellaneous scope to install said item of work.
16. Contractor shall schedule all material and equipment deliveries through the Construction Manager. Contractor shall phase, sequence, deliver, and store its materials and equipment in a manner which provides full and continual access for all trades. The Contractor shall acknowledge extremely limited availability of on-site storage space and shall store materials on site only with the specific approval of the Construction Manager. All trades to have storage trailers on site shall relocate them as needed by the changing of the site sequencing. Contractor to coordinate night work as required keeping continual access to the site with the Construction Manager.
17. Construction Manager will not receive any equipment, pieces, parts, deliveries, etc. Contractor shall have a responsible party on site to receive any shipments or deliveries.
18. Contractor shall be responsible for his material deliveries, hoist equipment with operators, enclosures and heat, cold weather protection, blankets, scaffolding, and related items needed for work to proceed expeditiously and without interruption.
19. Contractor shall provide all scaffolding, hoisting, misc. shoring, barricades, ramps, etc. necessary to perform their work. Contractors shall provide safe access and work platforms for their own work at all areas.
20. Contractor shall be responsible to receive, unload, and store in weatherproof secure trailers (as allowed by site conditions) and in a manner acceptable to the Construction Manager all items to be incorporated into this project. Contractor shall coordinate delivery schedule with the Construction Manager. Contractor shall be responsible for access to site and restoration of grade disturbed by his operations. In the event the onsite storage is not allowed, the Contractor shall provide adequate offsite storage at no additional cost to the Owner.

21. Contractor shall maintain at all times sufficient resources (manpower, equipment, and materials) to meet scheduling requirements and avoid delay to other aspects of the work. The Contractor shall provide, at no additional cost, extended hours and multiple shifts as required to complete the work during the periods of time stipulated in the Contract Documents and in accordance with the sequencing and durations set forth in the construction schedule. The Construction Manager shall determine whether or not the Contractor's manpower level is sufficient to complete the work in accordance with the current schedule requirements. Contractor shall include all costs to expedite shipment and delivery of materials in sufficient time to avoid delay to the schedule. If materials are not provided or work is not proceeding as required by schedule, Contractor shall bear all costs for additional work or manpower necessary to recover the schedule inclusive of the costs of other Contractors.
22. Contractor shall be responsible for the site / building in its charge. It shall protect adjacent (existing or new) and its own work and materials from soiling or damage.
23. Contractors shall inspect other Contractors work prior to proceeding with their work to ensure proper installation of their work. If a prior Contractors work is found to be not per specification requirements, they shall notify the Construction Manager immediately in writing. Proceeding with failure to do so, constitutes acceptance of the other Contractor's work.
24. This contractor understands that other contractors may be on site during the work of this contract. Contractor agrees to make every effort to cooperate and coordinate the schedule of the work with that of the other Contractors as to not delay the project. Contractor shall coordinate on a daily basis with other Contractors and Construction Manager to avoid conflicts in installation. Correction or re-installation of work due to lack of coordination will be done at no cost to the Owner or Construction Manager. Contractor shall coordinate its work and its performance with that of the other Contractors, testing agencies, inspection authorities, and the Construction Manager so that conflicts are avoided and that the expeditious progress of the project is not hampered. Any Contractor who believes that a potential conflict may exist shall notify the Construction Manager immediately and followed-up in writing within three (3) days.
25. Contractor shall completely coordinate his work with all other Contractors including, but not limited to, exchange of manufacturer's literature, shop drawings, installation instructions, etc. required for a sound, secure, complete installation. Correction or re-installation of work due to lack of coordination will be done at no cost to the Owner or the Construction Manager.
26. Contractors shall coordinate with the Construction Manager and the Owner for all outages and will ensure that all outages and switchovers will occur on weekend or off hours. Each Contractor shall be responsible for the cost of Custodial Coverage or Construction Manager expenses that are required as a result of his work. Custodial Coverage expense is the cost to the Owner to provide access to the building at times outside of normal custodial coverage. Exposure to OT costs usually will occur when the school is closed and unoccupied such as holidays and weekends (unless open for community use or event). Each Contractor shall include in his Base Bid the cost of Custodial Coverage or CM expenses for any shutdowns, outages or necessary overtime expenses associated with his work.
27. Each Contractor, whether union or non-union, agrees to work in harmony with other Contractors employed on the Project.
28. Contractor shall coordinate all work with utility providers.
29. Contractor shall furnish and install all access doors and frames in all walls, floors, and ceilings as required for its work under this contract whether they are indicated in the contract documents or not. Contractor shall coordinate the locations of all access doors with the Construction Manager.

30. Contractor includes all fire/smoke stopping, sound and/or weather sealants etc. at all penetrations required for own work as required by the contract drawings, specifications and Authorities Having Jurisdiction. Contractor will be responsible to provide Engineering Judgements by the approved fire-stopping manufacturer for systems which exceed manufacturer's tested assemblies.
31. Contractor is responsible for contacting and coordinating with Miss Utility and or a private utility locating company for locating and marking existing utilities if required to perform this work
32. Contractor to submit a truck route plan within 30 days of notice of award. Strict adherence to approved plan will be enforced. Complaints by the neighborhood will not be tolerated, contractor will be held accountable via back charge of \$500 per complaint.
33. Coordinate all work with the work of others through the Construction Manager for proper function, time, and sequence to avoid delays in the work.
34. Contractor includes any and all temporary utilities, i.e. water and power, to perform its work as permanent utilities may not be available for use.
35. All existing systems shall remain operational per phasing requirements. Contractor shall provide any temporary conditions as required by phasing. Contractor shall provide all reserving or re-routing as necessary of systems that serve occupied spaces until new systems are in place and accepted as operational. Multiple shutdowns will be required of existing systems throughout the project. Contractor shall be responsible for coordinating shutdowns with other Contractors, the Construction Manager and Owner.
36. Special electrical needs for various Contractors and their needs, above and beyond the temporary panels presently in place, shall be the responsibility of those Contractors to coordinate with the 16A Prime Contractor on site to provide the needed power and/or task lighting. This cost will be borne by the Contractor requesting additional services.
37. Contractor shall coordinate with all other trades regarding built-in and embedded items required by the Contract Documents. Contractor shall provide details and coordinate location of anchorage devices to be embedded in the work of others. Furnish templates with items for installation when applicable.
38. Contractor shall provide, maintain, and remove temporary protection of all finished work provided in his Contract Package. Protection shall be sufficient to protect the work from damage caused by usual and customary construction efforts. All protection provided shall be compatible with material being protected. Contractor shall be liable for all costs associated with repairs to damaged work as a result of not properly protecting the work.
39. Contractor shall furnish and install all waterproofing and counterflashing of its work when it penetrates the completed roof system, walls, and any other weather barrier surfaces. Any work performed by other contractor's in having to go behind and make this contractor's penetrations weather-tight will be back- charged to this contractor.
40. Contractor shall include material and labor cost increases for the duration of the project.
41. In the event this contractor is to install items furnished by others, Construction Manager or Owner, installing contractor is expected and has included unloading, uncrating, distribution, cleanup of associated trash, hoisting, etc.; All required miscellaneous scope to install said item of work.
42. Contract Packages may include allocations for quantities of work to be provided. In all instances, Contractor shall provide daily tickets clearly identifying quantities provided to the Construction Manager for review and signature. Contractor shall track all quantities and any work not performed shall be credited to the Owner at the completion of the project.

43. All Time and Materials tickets must be presented to the Construction Manager on the day of the work for review or will be considered non-valid.
44. Owner's Right to Audit:
 - a. The Owner shall have the right to access and audit the Contractor's project records and documents as necessary to verify that Contractor has complied with all the terms and conditions of the contract.
 - b. In the event of a claim by the Contractor against the Owner, the Owner shall have the right to access and audit all of the Contractors records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the claim.
 - c. All change order costs paid to the Contractor on a cost reimbursable basis shall be subject to audit by the Owner. Audit of change order costs may require access to the supporting documentation of the lump sum contract. The Owner shall also have the right to audit all the related records of subcontractors who are paid on a cost reimbursable basis. Contractor shall include a clause to this effect in its contract with subcontractors.
 - d. Contractor and subcontractors shall preserve all project documents after final acceptance of the project by the Owner.
45. Contractor shall provide copies of applications for payment per dates established by the Contract. In the event that applications for payment are not received by the established dates, Contractor billing shall be rejected in full until the next billing cycle.
46. All Contractors shall provide twenty-four (24) hour telephone numbers, where Contractor may be reached in case of emergency, after working hours.
47. Prior to any demolition activities, Contractors shall provide ten (10) business day notice to Owner to allow for salvage of existing equipment. Contractors to remove equipment and store in a central location on site for pickup by Owner.
48. All Contractors shall fully review and comply with all Lead and Asbestos reports, specifications, policies and procedures along with applicable law.
49. Personal vehicle parking for Contractor employees will not be permitted on site.
50. Contractor shall comply with all General Structural Notes as they apply to his work.
51. Contractor shall prepare and submit to the Construction Manager on a daily basis a field report through the Construction Management Software. At a minimum, the field report shall include project identification, date, weather, Contractor's labor listed by trade and experience, equipment on site, subcontractors on site including their labor listed by trade and experience and a full description of the work performed that day.
52. Contractor shall repair, at the Construction Manager's discretion, damage to grades around the site caused by his work. Contractor shall verify that the grades are acceptable and not damaged prior to the start of his work.
53. Contractor shall be responsible for all security measures required to protect materials and equipment associated with the Work.
54. Contractor shall fabricate to guaranteed rough opening sizes and locations if schedule constraints do not allow time for field measurement as deemed necessary by the Construction Manager.
55. Any Contractor working on the roof shall provide 5/8" plywood over 2" Styrofoam roof protection while working on the roof. Any damage to the roof related to Contractor's work will be the responsibility of the Contractor and shall be coordinated directly with the 7A Prime Contractor at no expense to the owner.
56. Ceilings to be removed and replaced on a daily basis by Contractor performing work above ceiling or as specified elsewhere. Contractor shall provide all cleanup as a result of this work. Contractors shall be responsible for replacement of ceilings

damaged as a result of performing their work.

57. Contractor shall submit sufficiently detailed digital photographs or videotapes showing existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by earth-moving operations, submit before earth moving begins.
58. All materials and equipment installed in return air plenums shall be non- combustible and UL Approved for use in a return air plenum space. All wiring shall be non-combustible or shall be enclosed in metal conduit or protected by a sheet metal cover secured with metal fasteners.
59. Contractor shall provide additional plywood flooring protection over finished floors under any lifts being used after finished floor is installed in each area.

2.04 SPECIAL CONSIDERATIONS

A. Jobsite hours are as follows:

Mon - Fri	7:00 a.m. – 3:30 p.m.
Sat -Sun	7:00 a.m. - 3:30 p.m. (as coordinated with the CM)

Off hours work will be performed as required and arranged through the Construction Manager and Owner. No deviation from the normal work hour schedule may take place without the prior written approval of the Construction Manager. No deliveries shall be made 30 minutes prior to or after arrival or dismissal of students.

Under no circumstance are deliveries, staging, work etc. to occur outside of these hours. Future complaints will be addressed as follows:

1. First complaint – Written Warning to offending contractor(s)
2. Second complaint - \$500 back charge issued to offending contractor(s)
3. Third complaint - \$2,500 back charge issued to offending contractor(s) and foreman removed from project.
4. Fourth complaint – Contract terminated

B. Strict adherence to Harford County's Noise Ordinances. Trucks will not be able to stage prior to normal working hours in accordance with the Ordinance.

C. Contractors' foreman is required to attend weekly foreman's meetings at the project site beginning two weeks prior to the start of the trades work through the completion of the work. Meetings are mandatory and will cover schedule, material delivery, trade coordination, safety, etc. Failure to attend a scheduled meeting will result in a \$250 back charge per occurrence.

D. Contractors Project Manager is required to attend biweekly Project Managers meeting at the project site beginning two weeks prior to the start of the trades work through the completion of the work. Also, attendance is mandatory until all submittals are approved. Meetings are mandatory and will cover submittals, change orders, RFIs, material delivery, monthly requisitions, schedule, closeout plans, etc. Failure to attend a scheduled meeting will result in a \$1,000 back charge per occurrence.

E. Excavation and/or drilling work under this contract is unclassified to design sub- grade, and includes but not limited to, excavation and removal of soil, shale, rock, fill, abandoned utilities, abandoned tanks, abandoned wells, abandoned structures, and any and all other subsurface conditions encountered in the contract area to this trades lowest design elevation in same area. The Contractor shall make his own soil and subsurface investigations, examination, tests, and exploratory borings of existing subsurface conditions to determine the nature of the soil conditions underlying the project site and thereby assuming all responsibility in excavating for this project without recourse to subsurface information obtained from the engineer, or indirectly from the Owner. The risk of unanticipated soil conditions from current elevations to this trades lowest design elevation in same area is solely the Contractor's. No extra or additional compensation for

excavation or claims otherwise will be made or paid under this contract until added excavations below this trades lowest design elevation in same area is required. Contractor is responsible for furnishing and placing any import fill material that may be required to complete the work.

- F. Contractor is responsible to provide full time, English speaking, Superintendent at all times while working onsite for all own forces, subcontractors and or suppliers. Contractor is to submit resume of proposed project manager and field supervisor for review prior to project award. Contractor cannot remove approved individuals from project without prior written consent of Construction Manager. The Superintendent shall represent the Contractor, and communications given to the Superintendent shall be as binding as if given to the Contractor
- G. Contractor shall use the Construction Management Software for the management of financial information, documents, schedules, field data, submittals, RFI's, daily reports, etc. CM will provide contractor access to the Construction Management Software.

2.05 EXCLUDED FROM THIS CONTRACTOR WORK is:

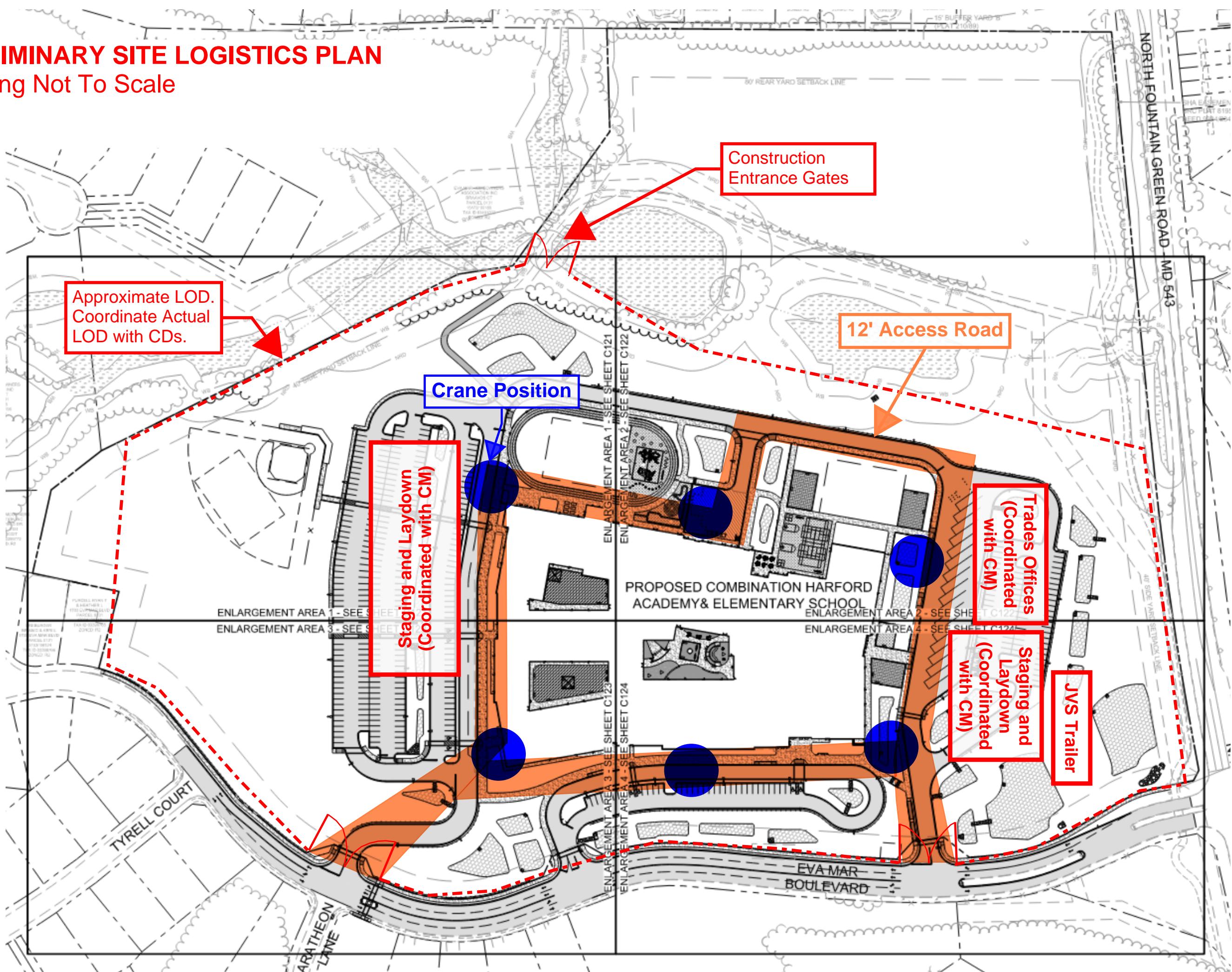
- A. Testing costs unless specifically called for in their specific scope, a result of negligence, poor workmanship, or failure of work to meet the requirement of the Contract Documents.

2.06 SITE LOGISTICS PLAN:

- A. See attached plan.

PRELIMINARY SITE LOGISTICS PLAN

Drawing Not To Scale



PART 3 – CONTRACT PACKAGES

3.01 SUMMARY

- A. The following is a listing of Contract Packages for use on the New Combination Harford Academy and Elementary School, along with references to the Contract Document Specification Sections. Contractors shall be responsible for all of the work contained in the referenced Specification Sections, unless a specific portion of the work has been assigned to another Contract Package.
- B. Each Contractor's work shall not necessarily be limited to the Sections referenced. Work referred to in related sections shall be included in the Contract Package that lists the Reference Section. Contractors are cautioned not to rely on the scope descriptions of other packages to determine what they are or are not required to do under the contract package that they are bidding. If after bidding it is determined that duplication of work exists, a credit proposal may be pursued by the Construction Manager. If a conflict over scope responsibility occurs within the Contract Documents, the scope assignments described within this specification section shall take precedent over all other scope assignments or designations throughout the documents. It shall be distinctly understood that failure to mention specifically any work which would normally be required to complete this project shall not relieve the contractor of their responsibility to complete such work.
- C. All Contractors shall comply with all requirements of Division 00 and Division 01 included in the Project Manual, in their entirety.

3.02 Contract Package – 02A – Site, Utilities, Demolition & Abatement

A. The Work of this Bid Package consists of the Work detailed by the following Specification Sections and as shown on the Drawings. The work is not restricted by division of Drawings or Specifications.

Perform and furnish all the work, labor, competent supervision, services, materials, equipment, hoisting, plant, tools, scaffolding, appliances, storage, and other facilities to complete the Contractor Package Trade work for the project in strict accordance with, and reasonably inferable from the Contract Documents, and as more particularly, but not exclusively, specified in section:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
01 56 39	Temporary Tree and Plant Protection
01 58 13	Temporary Project Signage
01 74 19	Construction Waste Management and Disposal
03 10 00	Concrete Forming and Accessories (As Applicable) (ADD#1)
03 20 00	Concrete Reinforcing (As Applicable) (ADD#1)
03 30 00	Cast-In-Place Concrete (As Applicable) (ADD#1)
03 33 00	Architectural Concrete (As Applicable) (ADD#1)
03 35 13	High-Tolerance Concrete Floor Finishing (As Applicable) (ADD#1)
03 35 46.23	Concrete Floor Enhancement (As Applicable) (ADD#1)
03 39 00	Concrete Curing (As Applicable)
05 50 00	Metal Fabrications (As Applicable)
07 92 00	Joint Sealants (As Applicable)
10 75 16	Ground-Set Flagpoles
Division 11	Athletic Equipment (As Applicable)
Division 31	Earthwork
Division 32	Exterior Improvements
Division 33	Utilities

B. This Contract shall also include, but is not limited to, the items listed below for the complete performance of the Contract Package

1. Sitework phasing to occur as required per building phasing, temporary ESC measures and final storm water management systems
2. Contractor shall mobilize as many times as the project schedule requires at no additional cost. Contractor shall coordinate operations with other Contractors as required to maintain project progress and access at all times.
3. Provide all required permits, approvals, certifications and inspections including connection charges for this work.
4. Provide State Project Sign when directed by the Construction Manager. Contractor shall remove and dispose of same when directed by the Construction Manager.
5. Provide all survey and layout work required to complete work in the Contract Package. In addition, Contractor shall provide property corners, building column lines and benchmark elevations at each building level for use by all Contractors. Provide a minimum of (2) two column lines in each direction, per area. All points shall be re-established as required through each phase as required for any reason at no cost. All survey work shall be provided by licensed survey professionals.

6. Provide all necessary containment, safety measures and equipment, temporary measures, sealing, exhaust and vent air management systems, wash down stations, personal protective equipment, and related as required by all Authorities Having Jurisdiction to complete this Work.
7. Provide complete demolition and removal from site of the existing building structures and all outbuildings on the property, including existing sales office and parking lot; restore as required. Provide separate SOV line item for Demolition of existing sales office and parking area. All materials and components of building/s to be completely removed, including slabs on grade, existing subgrade, foundations, footings, foundation walls, and U/G piping. The Work includes demolition and disposal of all equipment, furnishings, piping and existing debris on-site.
8. Provide all sitework demolition and relocation.
9. Provide demolition and removal from site of the building mock-up wall, as shown on sheet A212, at the discretion of the Construction Manager.
10. Contractor shall remove from the site and legally dispose of, off site, all materials and debris associated with demolition. Contractor to provide all trucking and or/dumpsters necessary. All materials included in this work shall be removed from the site to an approved dump facility by Contractor. Provide Waste Management Plan to meet LEED/Sustainability Program.
11. All mechanical, electrical, plumbing, and related building services will be disconnected and made safe by this contractor. Contractor is to coordinate with the Utility providers for disconnection of utilities to maintain the project schedule. Contractor is to provide temporary electric and water services as required to complete their work, including, but not limited to, temporary water and electrical services for abatement and demolition activities in order to maintain the construction schedule.
12. Sitework demolition by Contractor shall include, but is not limited to, site concrete, asphalt paving, fencing, sports systems and equipment, fixtures, equipment, walkways, trees/root systems, bushes, shrubbery, landscaping, curb/gutter systems, sidewalks, aprons, signs (unless noted to remain), foundations, footing, underground utilities systems, miscellaneous metals and handrail systems, stair systems, poles, above grade existing rocks, and miscellaneous items remaining on site. Contractor shall be responsible for coordination of cutting, capping and making safe all existing utilities prior to commencing demolition work by this Contractor, including coordination and documentation requirements of the utility providers. Contractor shall be responsible for coordination of this work with the other Contractors and the Construction Manager.
13. Provide all required bracing, shoring, engineering, access systems, safety equipment, rigging, crane, lifting, and related for a complete and safe demolition operation.
14. Provide complete site-specific safety and demolition sequence plan to be approved by the Construction Manager prior to commencement of this Work.
15. Provide all tree protection tree/root system removal. Contractor shall engage a qualified Arborist to direct plant-protection measures, roof and crown pruning, and other necessary work for trees and shrubs scheduled to remain in or adjunct to LOD. Arborist shall submit quarterly inspection reports.
16. Contractor shall be required to provide all manpower, equipment, maintenance, fees, and utility connections to allow for washdown of all vehicles (inclusive, but not limited to HCPS, and, vehicles operated by CM, other Prime Contractors) leaving the site during all hours that any person is on site throughout the entire project. Any mud or debris tracked beyond the site limits shall be the

responsibility of this Contractor. Contractor shall provide, maintain and operate entrance/outlet tire wash stations for the duration of the project, or until permission from the Authorities Having Jurisdiction to remove the stations is granted. Contractor shall provide a full-time person to operate each of the stations at all times, and to wash tires of vehicles exiting the project. Wash-down stations shall be provided at each sediment control entrance as necessary per site phasing. Sediment Control Entrances must be cleaned as needed and/or as directed by the Construction Manager.

17. Provide, relocate, maintain, and remove at the direction of the Construction Manager and/or governing agency all sediment and erosion control measures, including the stabilized construction entrances, required by the Contract Documents and to accommodate multiple phases. At the Construction Manager's and/or Authorities Having Jurisdiction's direction, remove all protection after site is stabilized. Contractor shall maintain the site as required by AHJ throughout the entire duration of the Project. Contractor will establish an "on-call" designated person/s to respond to emergencies, weather events, periodic wear and tear, and any other related defect to the sediment and erosion control measures. The "on-call" physical reaction performance to the site shall include a response time of no more than 2 hours at any given time, or as reasonably determined by the Construction Manager based on the severity of the event. All repairs due to an "on-call" event must be made within 24 hours of the initial contact, or Construction Manager reserves the right to complete the work with others at the Contractor's expense.
18. Provide all temporary ramps, sub-grade preparation at staging areas, paths, and walkways as required for phasing.
19. Provide temporary water to the site inclusive of any metering for use by all trades and wash down locations until permanent water is available. Jobsite trailers shall not be connected to this water service.
20. Provide location(s), which may need to be relocated during phasing at the direction of the Construction Manager, for wash-down of concrete trucks for use by all Contractors on site. Contractor shall remove all materials from this location and restore area at completion of all work. The concrete wash-down location shall be refreshed and maintained as directed by the Construction Manager.
21. Provide all pumping, dewatering, dust control, and truck access (meters and permits if required) for the site and keep access to the site as acceptable by the Construction Manager at all times whether or not Contractor is actively working on site.
22. Provide all dewatering necessary for the sitework. Building dewatering will be by others after the completion and turnover of areas of the building pad during each specific phase.
23. Contractor shall furnish, install, and remove 8,000 Tons of #2 stone, 6,000 Tons of State Highway Mix CR-6 and 12,000 Sq.Yd. of woven filter fabric underneath stone. This work shall be utilized as an access road and lay down to be utilized by all Contractors on site. Contractor shall maintain access road as directed by the Construction Manager. Maintenance shall include, but not be limited to back dragging existing materials, adding material, draining materials, infilling ruts, and removing mud/soils no matter the cause as directed by the Construction Manager. Contractor shall provide maintenance within 48 hours of written request from the Construction Manager. Contractor shall provide this work as needed and directed by the Construction Manager and as needed per phase. Multiple mobilizations will be required for this work and this work may occur when Contractor is not performing other work on site. At the direction of the Construction Manager, 2A Prime Contractor will remove and restore this area to original or proposed conditions. Contractor will assign the above costs as a

separate line item in their SOV and provide daily tickets for any and all material provided as back- up for billing against this cost. Any material, labor, and equipment costs not utilized will be credited to the owner upon completion of the project.

24. Provide all clearing, grubbing, and excavation required by the Contract Documents. Provide all required fill material, in accordance with Contract Documents, to bring site to design elevations, and/or provide all required removal from site of excess existing soils once all design elevations are achieved. Carefully examine site prior to commencing operations confirming existing conditions are consistent with the Contract Documents. Proof roll prior to replacing fill to verify acceptability of substrate. Provide dewatering devices and dewater as conditions require. Coordinate stockpile of soils with Construction Manager for approval of location and procedure; unapproved stockpiled material will not be accepted for reuse, and Contractor will be responsible for import of material at no extra cost. Contractor shall be responsible for complete protection of any approved stockpiled material, and Contractor shall be responsible for import of soils necessary due to lack of protection. Import material required to complete the work and as required to maintain schedule. Remove from the site and properly dispose of all unsuitable materials. All spoils shall be considered unsuitable and shall be removed from the site as work progresses. Contractor shall remove all stockpiled soils collected and stored by all other Contractors throughout the duration of the project as directed by the Construction Manager. Contractor shall begin removal of any material from site within 48 hours of any specific request by the Construction Manager.
25. Provide all cutting and patching of exterior surfaces required for the installation work installed under this Contract Package and/or by others inclusive of all work required in the Contract Documents. Patching shall be in like kind with surface that was removed.
26. Patch, repair or replace all existing sidewalks, curbs and paving impacted/damaged, or selectively demolished by Contractor. Sidewalk and Curb repairs shall extend from existing joints.
27. Furnish and install all site water, storm, and sewer utilities, including but not limited to, piping, structures manholes, clean outs, concrete, reinforcing, riprap, stone, filter cloth, etc. related to the work or as required by the Contract Documents. All electrical work on site shall be by others. Contractor shall furnish and install all site utilities (with the exception of water) to within five (5) feet of the building footprint (inclusive of courtyard utilities) or to proposed location of cleanouts. Contractor shall furnish and install waterline within the building per Detail 1 on P401, cap line and provide hose bib. Tie in will be by the 15A Contractor. Contractor shall sterilize and flush the entire water service upon completion of tie in. Contractor shall be responsible for connections to existing water, storm, and sewer utilities inclusive of coordinating with the utility provider. All ends of utilities shall be capped and clearly marked above grade by the Contractor which installs their piping first. The Contractor who installs their piping last shall make final connections to piping installed by others. Contractor shall clean all storm drain piping within ten (10) days prior to substantial completion. Contractor shall provide all cleanouts, piping, and concrete markers associated with cleanouts outside of the building footprint as required by the Contract Documents inclusive of the Plumbing Drawings.
28. Unless noted otherwise, Contractor shall grade all areas to subgrade elevations and fine grading at areas where they have the finish work. In areas of bulk demolition, Contractor shall grade the demolished area to subgrade elevations upon completion of demolition work at areas of new work and shall fine grade at all areas outside the building pad. Graded and compacted building pad will be accepted by others at subgrade elevations.

29. Structural fill shall extend a minimum of ten feet beyond building lines where floor slabs are to be constructed on the fill per the geotechnical report.
30. Contractor shall remove and dispose of site of all spoils placed outside the building pad by others. Spoils will be placed outside the building pad as directed by the Construction Manager for this Contractor to remove. Protection of the spoils will be the responsibility of the Contractor creating the spoils. All spoils shall be considered unsuitable and shall be removed from the site as work progresses.
31. Contractor shall hold all valve boxes flush with the base asphalt surface, to prevent damage during construction of the building, until the top layer of asphalt is applied. When surface paving commences, valve boxes are to be adjusted to match the finish paving. Contractor shall clean off utility covers of asphalt products in paved areas.
32. Contractor shall inspect, via video camera line inspection, all new and existing storm and sanitary piping up to the LOD prior to the completion of each phase. Provide electronic file clearly identifying location of inspection for all inspections to the Construction Manager within three (3) business days of video inspection. Any obstruction found shall be reported to the Construction Manager in writing.
33. The grade around the building will be disturbed by the operations of other Contractors. Contractor shall restore grade around building after the construction of the building structure is complete as directed by the Construction Manager.
34. Conduct operations in a manner that prevents off highway vehicles from operating on paved surfaces.
35. Provide all storm water management facilities. Contractor shall be responsible for all efforts necessary to deliver a County or Authorities Having Jurisdiction approved storm water management system in accordance with the Contract Documents in entirety inclusive of surveying, testing, inspections, as-builts, filing, and any other administrative requirements for complete, accepted and approved systems. Contractor shall be responsible for maintenance of water quality facilities until final approval and acceptance by authorities having jurisdiction, and HCPS at the completion of the project. Provide as-built drawings and certifications of all site utilities and storm water management facilities, certified and sealed by a licensed professional engineer. Provide storm water management certification in accordance with AHJ and Contract Document requirements. Additionally, Contractor's Engineer shall provide as-builts including surveys and certifications required by Harford County DPW and Soils Conservation including, but not limited to, Public Water and Sewer construction, Stormwater Management Facility, Bioretention Structures, etc. All as-builts are to be properly distributed and recorded as needed. Owner's design engineer will not be certifying the construction. Contractor shall be responsible to deliver a County-approved storm water management system within thirty (30) days of final site stabilization. Contractor shall be responsible for pumping down and cleaning of the system to the closest manhole off site, both new and existing components as required for all inspections and/or prior to substantial completion.
36. Provide 3rd party independent certification and as-builts of all utilities, including but not limited to SWM, Sanitary, and Water, per Contract Documents and AHJ requirements.
37. Provide all fencing and gate systems, including temporary and permanent fencing and gates, and relocation of temporary fencing and gates as required for project phasing. This shall include, but is not limited to, mechanical courtyard fencing, gas meter fencing, play area fencing, courtyard fencing, outdoor courts fencing, and all fencing outside of the enclosed buildings footprint. 02A Contractor shall coordinate with all prime contractors for installation of fencing posts, mounts, and other attachments installed in systems provided by others. Temporary fencing shall have driven posts (temporary fencing will not require

concrete post footings) and shall include lockable double gates at each site entrance/exit. Temporary Fencing shall be required along LOD. Contractor shall remove temporary fencing from the site at the conclusion of the project. All temporary fencing shall have privacy slats or privacy screening.

38. Contractor shall provide all site signage inclusive of temporary signage as required per phasing which may or may not be shown on the Contract Documents.
39. Provide all site furnishings, flagpoles, fixed bollards, removable bollards, playground equipment, playground basketball assemblies, benches, litter receptacles, bike racks, signage posts, and associated foundations, grounding, fasteners and accessories as required by Local Inspection Agencies and the Contract Documents
40. Provide summer and winter concrete or masonry protection and approved additives for concrete or masonry work included in this Contract Package
41. Provide all handicapped marking, fire line marking, traffic control, wheel stops, signage, and all other site amenities.
42. Provide all site concrete, concrete paving and sub-base as required per the complete set of Contract Documents including, but not limited to, curbs, edging, sidewalks, fence and gate foundations, stairs, door pads, turn-down pads, mow strips, site/traffic signage, and associated for a complete system. Provide all shapes, designs, patterns, layout, finishes, colors, textures, and related in accordance with the Contract Documents. Work Includes.
 - a. Provide concrete paving below building exterior canopies
 - b. Provide all concrete work associated with the courtyard and playground areas
 - c. Provide dumpster enclosure fence foundations
 - d. Coordinate installation of site handrails provided by the 05A Contractor.
 - e. Provide site concrete pad/slab at the Loading Dock and Generator Yard (03A to provide foundations and slabs associated with elevated loading docks – Refer to Scope Sketches)
43. Provide all asphalt paving, sub-base, base and top courses, striping, markings, wheel stops, and associated for a complete system.
44. Provide all surface paving as per direction of the Construction Manager. Surface course paving may be required to be delayed allowing for smooth transitions and minimize joints. Base paving shall be installed as needed to avoid ponding water; Contractor shall assume necessary modifications to base paving in order to allow smooth transition of surface paving.
45. Furnish and install all sealants, control joints, etc. for concrete work installed under this package. Work includes any specialized sealant necessary for dumpster pads.
46. Contractor shall immediately fill all islands and areas where water may potentially pond behind curbing, after curbs are in place. Grade and maintain areas to prevent ponding and allow water to flow freely over the top of curbs.
47. Provide all saw cutting, excavation, wedging, and leveling to connect with existing curbing and paving as required by the Contract Documents.
48. Contractor shall power wash new and existing concrete surfaces within fourteen (14) days prior to Project Substantial Completion.
49. Provide compaction, sub-base preparation, sub-base drainage (including storm piping not specifically depicted), geotextiles and asphalt/concrete substrates, seamless playground surface systems, loose-fill surface systems, site concrete, and playground equipment at all playground areas in accordance with the

Contact Documents.

50. Provide all playground/area striping and markings
51. Provide and install all playground equipment. Contractor shall ensure that installation is completed by a qualified vendor. Upon completion of all playground work, Contractor shall furnish certificate from equipment manufacturer stating that the equipment was properly installed per manufacturer's requirements.
52. Contractor shall provide playground protective surfacing. Contractor shall ensure that thickness of surfacing meets or exceeds all acceptable levels as required at no expense to the Owner.
53. Provide complete sport field systems in accordance with the Contract Documents including, but not limited to, benches, fencing, backstops, gates, exterior bleachers, bases, pitcher's mounds, home plates, substrate, turf, grasses, and associated.
54. Contractor shall provide all landscaping per the Contract Documents including, but not limited to all topsoil, sod, seed, plantings, fertilizers, amendment, mulch, and supports. Contractor shall be responsible for providing adequate watering and maintenance of all installed work until Owner acceptance, which will take place at substantial completion of all sitework. Contractor shall fully and properly maintain, inclusive of mowing and edging all new and existing lawn areas within the LOD until Owner acceptance, which will take place at the completion of all sitework. Contractor shall perform all forest conservation work.
55. Contractor is to request and inspection of all areas before topsoil is spread, after topsoil is spread and all areas prepared for seeding. No planting of seed is to take place without approval of the Owner or Construction Manager.
56. Contractor shall turn over to the Owner seed certificates from all bags of seed used on this project, daily.
57. Contractor shall remove snow and ice as directed by the Construction Manager to provide access to the building, walks, parking, work areas, and staging areas within the current project LOD within sixteen (16) hours of a storm for the duration of the project, or sooner where required by law anywhere on the property.
58. In the event the Civil Drawings have identified quantities for earth fill/removal and excavation, these quantities were included for permit purposes only and are not the bases to quantify Contractor's bid. Contractors are responsible to make their own quantity surveys.
59. Independent Testing Agency services shall be provided by the Owner through the Construction Manager. Contractor shall give reasonable notice to the Construction Manager for the purpose of scheduling the Independent Testing Agency when on-site inspections will be required. Contractor shall not take direction direct from the Independent Testing Agency.
60. Contractor shall provide 5% soil cement 1' deep for the building pad to be installed as directed by the Construction Manager. Contractor will assign costs for soil cement as a separate line item in the SOV and provide daily tickets for work associated with this line item as back-up for billing against this cost. Any costs for work not utilized will be credited to the owner upon completion of the project.

3.03 CONTRACT PACKAGE 02B – OFF-SITE SEWER REPLACEMENT

A. The Work of this Bid Package consists of the Work detailed by the following Specification Sections and as shown on the Drawings. The work is not restricted by division of Drawings or Specifications.

Perform and furnish all the work, labor, competent supervision, services, materials, equipment, hoisting, plant, tools, scaffolding, appliances, storage, and other facilities to complete the Contractor Package Trade work for the project in strict accordance with, and reasonably inferable from the Contract Documents, and as more particularly, but not exclusively, specified in section:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
01 50 00	Temporary Facilities and Controls (As Applicable)
01 51 00	Temporary Utilities (As Applicable)
01 56 39	Temporary Tree and Plant Protection
01 58 13	Temporary Project Signage
01 74 19	Construction Waste Management and Disposal
02 30 00	Subsurface Drilling and Sampling Information
07 92 00	Joint Sealants (As Applicable)
Division 31	Earthwork
Division 32	Exterior Improvements
Division 33	Utilities

B. This Contract shall also include, but is not limited to, the items listed below for the complete performance of the Contract Package

1. Contractor shall mobilize as many times as the project schedule requires at no additional cost. Contractor shall coordinate operations with other Contractors as required to maintain project progress and access at all times.
2. Provide all required permits, approvals, certifications and inspections including connection charges for this work.
3. Provide all necessary containment, safety measures and equipment, temporary measures, sealing, exhaust and vent air management systems, wash down stations, personal protective equipment, and related as required by all Authorities Having Jurisdiction to complete this Work.
4. Provide complete demolition and removal from site of the existing storm, sewer and associated equipment/materials in accordance with the Eva Mar Off-Site Sewer Replacement Contract Documents.
5. Contractor shall remove from the site and legally dispose of, off site, all materials and debris associated with demolition. Contractor to provide all trucking and or/dumpsters necessary. All materials included in this work shall be removed from the site to an approved dump facility by Contractor. Provide Waste Management Plan to meet LEED/Sustainability Program.
6. Provide temporary toilets and scheduled service/cleaning for all Contractor's, other Contractor's, and Construction Manager's personnel for duration of project. Contractor shall provide a minimum of one (1) temporary toilet per every ten (10) on-site personnel/workers (a minimum of two (2) toilets on-site at all times). Toilets shall be serviced/cleaned a minimum of two (2) times per week and shall include soap/sanitation dispensers and toilet paper. Toilet counts shall be adjusted monthly, by this Contractor, to correspond with projected monthly

manpower counts. Contractor shall relocate temporary toilets as required for Phasing.

7. Provide all required bracing, shoring, engineering, access systems, safety equipment, rigging, crane, lifting, and related for a complete and safe demolition operation.
8. Provide complete site-specific safety ~~and demolition sequence plan~~ to be approved by the Construction Manager prior to commencement of this Work.
9. Provide all tree protection tree/root system removal. Contractor shall engage a qualified Arborist to direct plant-protection measures, roof and crown pruning, and other necessary work for trees and shrubs scheduled to remain in or adjunct to LOD. Arborist shall submit quarterly inspection reports.
10. Contractor shall be required to provide all manpower, equipment, maintenance, fees, and utility connections to allow for washdown of all vehicles (inclusive, but not limited to HCPS, and, vehicles operated by CM, other Prime Contractors) leaving the site during all hours that any person is on site throughout the entire project. Any mud or debris tracked beyond the site limits shall be the responsibility of this Contractor. Contractor shall provide, maintain and operate entrance/outlet tire wash stations for the duration of the project, or until permission from the Authorities Having Jurisdiction to remove the stations is granted. Contractor shall provide a full-time person to operate each of the stations at all times, and to wash tires of vehicles exiting the project. Wash-down stations shall be provided at each sediment control entrance as necessary per site phasing. Sediment Control Entrances must be cleaned as needed and/or as directed by the Construction Manager.
11. Provide, relocate, maintain, and remove at the direction of the Construction Manager and/or governing agency all sediment and erosion control measures, including the stabilized construction entrances, required by the Contract Documents and to accommodate multiple phases. At the Construction Manager's and/or Authorities Having Jurisdiction's direction, remove all protection after site is stabilized. Contractor shall maintain the site as required by AHJ throughout the entire duration of the Project. Contractor will establish an "on-call" designated person/s to respond to emergencies, weather events, periodic wear and tear, and any other related defect to the sediment and erosion control measures. The "on-call" physical reaction performance to the site shall include a response time of no more than 2 hours at any given time, or as reasonably determined by the Construction Manager based on the severity of the event. All repairs due to an "on-call" event must be made within 24 hours of the initial contact, or Construction Manager reserves the right to complete the work with others at the Contractor's expense.
12. Provide temporary water to the site inclusive of any metering for use by all trades and wash down locations until permanent water is available. Jobsite trailers shall not be connected to this water service.
13. Provide location(s), which may need to be relocated during phasing at the direction of the Construction Manager, for wash-down of concrete trucks for use by all Contractors on site. Contractor shall remove all materials from this location and restore area at completion of all work. The concrete wash-down location shall be refreshed and maintained as directed by the Construction Manager.
14. Provide all pumping, dewatering, dust control, and truck access (meters and permits if required) for the site and keep access to the site as acceptable by the Construction Manager at all times whether or not Contractor is actively working on site.
15. ~~Provide all dewatering necessary for the sitework. Building dewatering will be by others after the completion and turnover of areas of the building pad during each specific phase.~~

16. Contractor shall furnish, install, and remove two (2) site construction entrances. This work shall be utilized as an access road and lay down to be utilized by all Contractors on site. Contractor shall maintain access road as directed by the Construction Manager. Maintenance shall include, but not be limited to back dragging existing materials, adding material, draining materials, infilling ruts, and removing mud/soils no matter the cause as directed by the Construction Manager. Contractor shall provide maintenance within 48 hours of written request from the Construction Manager. Contractor shall provide this work as needed and directed by the Construction Manager and as needed per phase. Multiple mobilizations will be required for this work and this work may occur when Contractor is not performing other work on site. At the direction of the Construction Manager, 2B Prime Contractor will remove and restore this area to original or proposed conditions.
17. Provide all clearing, grubbing, and excavation required by the Contract Documents. Provide all required fill material, in accordance with Contract Documents, to bring site to design elevations, and/or provide all required removal from site of excess existing soils once all design elevations are achieved. Carefully examine site prior to commencing operations confirming existing conditions are consistent with the Contract Documents. Proof roll prior to replacing fill to verify acceptability of substrate. Provide dewatering devices and dewater as conditions require. Coordinate stockpile of soils with Construction Manager for approval of location and procedure; unapproved stockpiled material will not be accepted for reuse, and Contractor will be responsible for import of material at no extra cost. Contractor shall be responsible for complete protection of any approved stockpiled material, and Contractor shall be responsible for import of soils necessary due to lack of protection. Import material required to complete the work and as required to maintain schedule. Remove from the site and properly dispose of all unsuitable materials. All spoils shall be considered unsuitable and shall be removed from the site as work progresses. Contractor shall remove all stockpiled soils collected and stored by all other Contractors throughout the duration of the project as directed by the Construction Manager. Contractor shall begin removal of any material from site within 48 hours of any specific request by the Construction Manager.
18. Provide all cutting and patching of exterior surfaces required for the installation work installed under this Contract Package and/or by others inclusive of all work required in the Contract Documents. Patching shall be in like kind with surface that was removed.
19. Furnish and install all ~~site water, storm, and~~ sewer utilities, including but not limited to, piping, structures manholes, clean outs, concrete, reinforcing, riprap, stone, filter cloth, etc. related to the work or as required by the Contract Documents. Contractor shall ~~sterilize and~~ flush the ~~entire water sewer~~ service upon completion of tie in. Contractor shall be responsible for connections to existing ~~water, storm, and~~ sewer utilities inclusive of coordinating with the utility provider. All ends of utilities shall be capped and clearly marked above grade by the Contractor which installs their piping first. ~~Contractor shall clean all storm drain piping within ten (10) days prior to substantial completion. Contractor shall provide all cleanouts, piping, and concrete markers associated with cleanouts outside of the building footprint as required by the Contract Documents inclusive of the Plumbing Drawings.~~
20. Unless noted otherwise, Contractor shall grade all areas to subgrade elevations and fine grading at areas where they have the finish work. In areas of bulk demolition, Contractor shall grade the demolished area to subgrade elevations upon completion of demolition work at areas of new work and shall fine grade at all areas outside the building pad. Graded and compacted building pad will be accepted by others at subgrade elevations.

21. Contractor shall remove and dispose of site of all spoils. Protection of the spoils will be the responsibility of the Contractor creating the spoils. All spoils shall be considered unsuitable and shall be removed from the site as work progresses.
22. Contractor shall remove snow and ice as directed by the Construction Manager to provide access to the building, walks, parking, work areas, and staging areas within the current project LOD within sixteen (16) hours of a storm for the duration of the project, or sooner where required by law anywhere on the property.
23. In the event the Civil Drawings have identified quantities for earth fill/removal and excavation, these quantities were included for permit purposes only and are not the bases to quantify Contractor's bid. Contractors are responsible to make their own quantity surveys.
24. Independent Testing Agency services shall be provided by the Owner through the Construction Manager. Contractor shall give reasonable notice to the Construction Manager for the purpose of scheduling the Independent Testing Agency when on-site inspections will be required. Contractor shall not take direction direct from the Independent Testing Agency.

3.04 CONTRACT PACKAGE 03A – CONCRETE

A. The Work of this Bid Package consists of the Work detailed by the following Specification Sections and as shown on the Drawings. The work is not restricted by division of Drawings or Specifications.

Perform and furnish all the work, labor, competent supervision, services, materials, equipment, hoisting, plant, tools, scaffolding, appliances, storage, and other facilities to complete the Contractor Package Trade work for the project in strict accordance with, and reasonably inferable from the Contract Documents, and as more particularly, but not exclusively, specified in section:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
Division 03	Concrete
04 20 00	Unit Masonry (As Applicable)
07 13 26	Self-Adhering Sheet Waterproofing (As Applicable)
07 21 00	Thermal Insulation (As Applicable)
07 92 00	Joint Sealants (As Applicable)
07 95 13	Expansion Joint Cover Assemblies (As Applicable)
31 20 00	Earth Moving (As Applicable)

B. This Contract shall also include, but is not limited to, the items listed below for the complete performance of the Contract Package

1. Provide complete concrete systems including, but not limited to, foundations, footings, spread footings, continuous wall footings, mat footings, piers, slabs on grade, slabs on deck and stair pans/landings, thickened slabs, interior equipment pads, locker bases and related for all components associated with the building structure, building canopies, and building appendages.
2. The Work includes complete concrete systems for the exterior electrical service equipment pad, generator pad, dumpster, loading docks, and mechanical equipment enclosure, exterior ramp, and foundation for exterior wall assembly mock-up. Work includes, but is not limited to foundations, slabs, and backfill related to this work.
3. Provide all formwork, water stops, shoring, insulation, vapor barrier, perimeter insulation, control joints, isolation joints, expansion joints, construction joints, damp-proofing, repellants, finishing, sealing, curing agents, hangers, clips, accessories, and related for complete and functional systems.
4. Provide all reinforcement systems for this Work, including, but not limited to, welded wire mesh, fiber-mesh, rebar, anchors, supports, and related accessories for complete and functional systems.
5. Contractor shall provide all protection of diamonds at all column locations. Contractor shall modify protection as required for progression of work completed by others until diamonds are filled.
6. Provide all stone aggregate subbase systems for this Work.
7. Provide all confirmation, coordination, and forming for all penetrations through all systems included in this Work. Layout to be performed by Contractor for which the opening is being performed. Contractor shall be responsible for coordination of this work with all other Contractors and Construction Manager. Coordination includes all SOG recesses at furnished equipment and flooring assemblies as