

STATE OF DELAWARE
OMB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT # MJ0217000003-BP4A

SPECIFICATIONS FOR

**Customs House
Renovations and
Additions**

AT

516 N. King Street
Wilmington, DE 19801

PREPARED
BY

TEVEBAUGH ARCHITECTURE
2 MILL RD, SUITE 210
WILMINGTON, DE 19806

ISSUED FOR
BID PACK 4 – BID SUBMISSION

APRIL 29, 2025

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SECTION 00 01 07

SEALS PAGE

1.1 DESIGN PROFESSIONALS OF RECORD

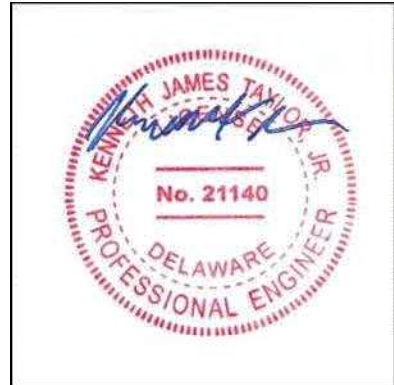
Architect:

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Tevebaugh Associates, Inc.
Two Mill Road, Suite 210
Wilmington, DE 19806
302-984-1400
DE License S5-7202



Civil Engineer:

Kenneth James Taylor, Jr., P.E.
Duffield Associates
5400 Limestone Road
Wilmington, DE 19808
302-239-6634
DE License No. 21140



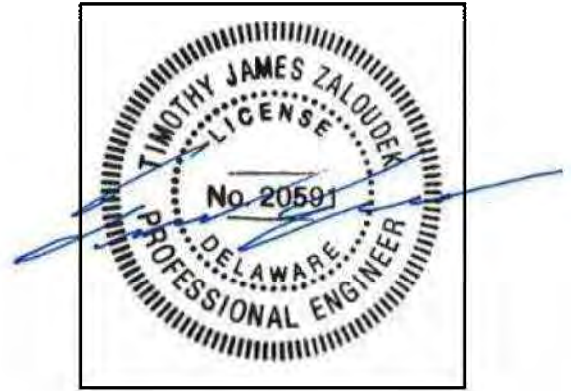
Structural Engineer:

A. Paynter Ingram, P.E.
Baker, Ingram Associates
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Dover, DE 19901
302-734-7400
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END OF SECTION

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SECTION 00 01 10
TABLE OF CONTENTS

SUBMISSIONS:

1	Bid Pack 1 – Addendum 02	10.27.2023
2	Bid Pack 2 – GSS DFM Submission	02.09.2024
3	Bid Pack 2.1 – GSS DFM Submission	04.05.2024
4	Bid Pack 2.1A – GSS DFM Submission	07.03.2024
5	Bid Pack 3 – GSS DFM Submission	07.12.2024
6	Bid Pack 4 – Addendum 03	02.21.2025
7	Bid Pack 4A – GSS DFM Submission	04.29.2025
8	Bid Pack 5 – 60% DFM Submission	

Sections issued for reference noted with an “O”.
 Sections issued for record are annotated with an “X”.
 Sections listed without any annotation are anticipated future sections.

Bid Pack 4A

SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
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DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS										
00 01 01	PROJECT TITLE PAGE	Tevebaugh	X	X	X	X	X	X	X	
00 01 07	SEALS PAGE	Tevebaugh	X	X	X	X	X	X	X	
00 01 10	TABLE OF CONTENTS	Tevebaugh	X	X	X	X	X	X	X	
00 01 15	LIST OF DRAWING SHEETS	Tevebaugh	X	X	X	X	X	X	X	
00 11 16	INVITATION TO BID	EDIS	X	X	X	X	X	X	X	
00 21 13	INSTRUCTIONS TO BIDDERS	Tevebaugh	X	X	X	X	X	X	X	
00 31 24	ENVIRONMENTAL AND EXISTING CONDITIONS INFORMATION	Harvard	X	X	X	X		X	X	
00 31 32	GEOTECHNICAL DATA	Verdantas		X	X	X				
00 40 00	PROCUREMENT FORMS AND SUPPLEMENTS	Tevebaugh	X	X	X	X	X	X	X	
00 41 13	BID FORM 1-01 – SELECTIVE DEMOLITION	EDIS	X							
00 41 13.2-01	BID FORM 2-01 – FOUNDATIONS	EDIS		X						
00 41 13.2-02	BID FORM 2-02 – STRUCTURAL STEEL	EDIS		X						
00 41 13.2.1-01	BID FORM 2.1-01 – SITEWORK	EDIS			X					
00 41 13.2.1-02	BID FORM 2.1-01 – GROUND IMPROVEMENT	EDIS			X					
00 41 13.2.1A-01	BID FORM 2.1-01A – SITEWORK	EDIS				X				
00 41 13.3-01	BID FORM 3-01 – EXTERIOR STRUCTURAL STUD ASSEMBLY	EDIS					X			
00 41 13.3-02	BID FORM 3-02 – ROOFING	EDIS					X			
00 41 13.3-03	BID FORM 3-03 – JOINT SEALANTS AND PREFORMED JOINT ASSEMBLIES	EDIS					X			
00 41 13.3-04	BID FORM 3-04 – CURTAIN WALL/GLAZING/STOREFRONTS	EDIS					X			
00 41 13.3-05	BID FORM 3-05 – ROOFTOP AIR-HANDLING UNITS PRE-PURCHASE	EDIS					X			

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SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
00 41 13.3-06	BID FORM 3-06 – ELECTRICAL PRE-PURCHASE PACKGAE	EDIS					X			
00 41 13.3-07	BID FORM 3-07 – ELEVATOR	EDIS					X			
00 41 13.3-08	BID FORM 3-08 – METAL WALL PANELS	EDIS					X			
00 41 13.3-09	BID FORM 3-09 – EXTERIOR MASONRY AND CMU SHAFTS	EDIS					X			
00 41 13.4-01	BID FORM 4-01 – INTERIOR MASONRY	EDIS						X		
00 41 13.4-02	BID FORM 4-02 – MISCELLANEOUS METALS, STAIRS, AND RAILS	EDIS						X		
00 41 13.4-03	BID FORM 4-03 – CARPENTRY AND GENERAL WORK	EDIS						X		
00 41 13.4-04	BID FORM 4-04 – DRYWALL AND INTERIOR METAL FRAMING	EDIS						X		
00 41 13.4-05	BID FORM 4-05 – FIREPROOFING & INTUMESCENT PAINT	EDIS						X		
00 41 13.4-06	BID FORM 4-06 – CURTAIN WALL/GLAZING/STOREFRONTS	EDIS						X		
00 41 13.4-07	BID FORM 4-07 – CERAMIC TILING	EDIS						X		
00 41 13.4-08	BID FORM 4-08 – ACOUSTICAL AND SPECIALTY CEILINGS	EDIS						X		
00 41 13.4-09	BID FORM 4-09 – FLOORING	EDIS						X		
00 41 13.4-10	BID FORM 4-10 – GENERAL LABOR AND CLEANUP	EDIS						X		
00 41 13.4-11	BID FORM 4-11 – RESINOUS MATRIX TERRAZZO FLOORING	EDIS						X		
00 41 13.4-12	BID FORM 4-12 – MISCELLANOUS CONCRETE	EDIS						X		
00 41 13.4-13	BID FORM 4-13 – PAINTING	EDIS						X		
00 41 13.4-14	BID FORM 4-14 – ROLLER WINDOW SHADES	EDIS						X		
00 41 13.4-15	BID FORM 4-15 – CUSTOM MILLLWORK	EDIS						X		
00 41 13.4-16	BID FORM 4-16 – MANUFACTURED CASEWORK	EDIS						X		
00 41 13.4-17	BID FORM 4-17 – FIRE PROTECTION	EDIS						X		
00 41 13.4-18	BID FORM 4-18 – PLUMBING	EDIS						X		
00 41 13.4-19	BID FORM 4-19 – HVAC AND CONTROLS	EDIS						X		
00 41 13.4-20	BID FORM 4-20 – TESTING, ADJUSTING, AND BALANCING	EDIS						X		
00 41 13.4-21	BID FORM 4-21 – ELECTRICAL, LIGHTING, AND FIRE ALARM SYSTEMS	EDIS						X		
00 41 13.4A-01	BID FORM 4A-01 – MISCELLANEOUS METALS, STAIRS, AND RAILS	EDIS							X	
00 41 13.4A-02	BID FORM 4A-02 – CARPENTRY AND GENERAL WORK	EDIS							X	
00 41 13.4A-03	BID FORM 4A-03 – CURTAIN WALL/GLAZING/STOREFRONTS	EDIS							X	
00 41 13.4A-04	BID FORM 4A-04 – ROLLER WINDOW SHADES	EDIS							X	
00 41 13.4A-05	BID FORM 4A-05 – CUSTOM MILLLWORK	EDIS							X	
00 41 13.4A-06	BID FORM 4A-06 – MANUFACTURED CASEWORK	EDIS							X	

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SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
00 41 13.4A-07	BID FORM 4A-07 – TESTING, ADJUSTING, AND BALANCING	EDIS								X
00 41 13.5	BID FORM 5	EDIS								
00 43 13	BID BOND	Tevebaugh	X	X	X	X	X	X	X	
00 50 00	CONTRACTING FORMS AND SUPPLEMENTS	Tevebaugh	X	X	X	X	X	X	X	
00 52 13	STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR A132-2019	Tevebaugh	X	X	X	X	X	X	X	
00 52 13.A	INSURANCE AND BONDS A132 – 2019 EXHIBIT A	Tevebaugh	X	X	X	X	X	X	X	
00 54 13	SUPPLEMENT TO AGREEMENT BETWEEN OWNER AND CONTRACTOR A132-2019	Tevebaugh	X	X	X	X	X	X	X	
00 54 13.A	SUPPLEMENT TO A132-2019-EXHIBIT A, INSURANCE AND BONDS	Tevebaugh	X	X	X	X	X	X	X	
00 61 13.13	PERFORMANCE BOND	Tevebaugh	X	X	X	X	X	X	X	
00 61 13.16	PAYMENT BOND	Tevebaugh	X	X	X	X	X	X	X	
00 62 11	SUBMITTAL COVER SHEET	Tevebaugh	X	X	X	X	X	X	X	
00 62 76	AIA DOCUMENT G732 - 2019: APPLICATION AND CERTIFICATION FOR PAYMENT FORMS	Tevebaugh	X	X	X	X	X	X	X	
00 62 76A	AIA DOCUMENT G703 - 1992: CONTINUATION SHEET	Tevebaugh	X	X	X	X	X	X	X	
00 63 13	REQUEST FOR INFORMATION FORM	Tevebaugh	X	X	X	X	X	X	X	
00 63 25	SUBSTITUTION REQUEST FORM	Tevebaugh	X	X	X	X	X	X	X	
00 63 33	AIA DOCUMENT G710 - 2017: SUPPLEMENTAL INSTRUCTION FORMS	Tevebaugh	X	X	X	X	X	X	X	
00 63 46	AIA DOCUMENT G733 - 2019: CONSTRUCTION CHANGE DIRECTIVE	Tevebaugh	X	X	X	X	X	X	X	
00 63 63	AIA DOCUMENT G731 - 2019: CHANGE ORDER	Tevebaugh	X	X	X	X	X	X	X	
00 63 73	ALLOWANCE AUTHORIZATION FORM	Tevebaugh	X	X	X	X	X	X	X	
00 65 16	AIA DOCUMENT G734 - 2019: CERTIFICATE OF SUBSTANTIAL COMPLETION	Tevebaugh	X	X	X	X	X	X	X	
00 65 19.13	AIA DOCUMENT G706 - 1994: CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS	Tevebaugh	X	X	X	X	X	X	X	
00 65 19.16	AIA DOCUMENT G706A - 1994: CONTRACTOR'S AFFIDAVIT OF RELEASE OF LIENS	Tevebaugh	X	X	X	X	X	X	X	
00 65 19.19	AIA DOCUMENT G707 - 1994: CONSENT OF SURETY TO FINAL PAYMENT	Tevebaugh	X	X	X	X	X	X	X	
00 72 13	GENERAL CONDITIONS TO THE CONTRACT A232-2019	Tevebaugh	X	X	X	X	X	X	X	
00 73 13	SUPPLEMENTARY GENERAL CONDITIONS A232-2019	Tevebaugh	X	X	X	X	X	X	X	
00 73 46	WAGE DETERMINATION SCHEDULE	EDiS	X	X	X	X	X	X	X	
00 81 13	GENERAL REQUIREMENTS	Tevebaugh	X	X	X	X	X	X	X	
00 81 14	DRUG TESTING FORMS	Tevebaugh	X	X	X	X	X	X	X	
00 81 15	AFFIDAVIT FOR CRAFT TRAINING COMPLIANCE	Tevebaugh	X	X	X	X	X	X	X	
00 82 00	DIGITAL RELEASE FORM	Tevebaugh	X	X	X	X	X	X	X	

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SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
DIVISION 01 - GENERAL REQUIREMENTS										
01 10 00	SUMMARY OF WORK	EDIS	X	X	X	X	X	X	X	
01 14 00	WORK RESTRICTIONS	Tevebaugh	X	X	X	X	X	X	X	
01 21 00	ALLOWANCES	EDIS	X	X	X	X	X	X	X	
01 21 16	ALLOWANCE AUTHORIZATION FORM	EDiS	X	X	X	X	X	X	X	
01 22 00	UNIT PRICES	EDIS	X					X	X	
01 23 00	ALTERNATES	EDIS				X		X	X	
01 25 00	SUBSTITUTION PROCEDURES	Tevebaugh	X	X	X	X	X	X	X	
01 26 00	CONTRACT MODIFICATION PROCEDURES	Tevebaugh	X	X	X	X	X	X	X	
01 29 00	PAYMENT PROCEDURES	Tevebaugh	X	X	X	X	X	X	X	
01 31 00	PROJECT MANAGEMENT AND COORDINATION	Tevebaugh	X	X	X	X	X	X	X	
01 31 13	PROJECT COORDINATION MEETING	EDiS	X	X	X	X	X	X	X	
01 31 19	PRE-INSTALLATION MEETINGS	EDiS	X	X	X	X	X	X	X	
01 31 25	WEB-BASED PROJECT MANAGEMENT SYSTEM	EDiS	X	X	X	X	X	X	X	
01 32 00	CONSTRUCTION PROGRESS DOCUMENTATION	Tevebaugh	X	X	X	X	X	X	X	
01 32 16	SCHEDULE	EDIS	X	X	X	X	X	X	X	
01 32 16.A	SCHEDULE ATTACHMENT	EDIS	X	X	X	X	X	X	X	
01 32 26	CONTRACTOR DAILY REPORTS	EDiS	X	X	X	X	X	X	X	
01 32 33	PHOTOGRAPHIC DOCUMENTATION	Tevebaugh	X	X	X	X	X	X	X	
01 33 00	SUBMITTAL PROCEDURES	Tevebaugh	X	X	X	X	X	X	X	
01 35 23	CONSTRUCTION MANAGER GENERAL INFORMATION	EDIS				X	X	X	X	
01 35 23.A	CRANE LIFT PLAN CHECKLIST	EDIS	X	X		X	X			
01 35 23.B	DEMO PRE-START SURVEY	EDIS	X							
01 35 23.C	STAR SHEET	EDIS	X	X	X					
01 35 23.D	COMPETENT/QUALIFIED PERSON DESIGNATIONS FORM	EDIS	X	X	X					
01 35 23.E	SAFETY PROGRAM	EDIS	X	X	X	X	X	X	X	
01 35 23.F	SITE FILL PLAN	EDIS	X	X	X	X	X	X	X	
01 35 23.G	SITE EXCAVATION PLAN	EDIS				X				
01 35 23.H	SITE LOGISTICS DRAWING	EDIS				X			X	
01 35 23.I	SHEETING AND SHORING PLAN	EDIS				X				
01 37 00	3D COORDINATION SPECIFICATION	EDIS		X	X	X	X	X	X	
01 40 00	QUALITY REQUIREMENTS	Tevebaugh	X	X	X	X	X	X	X	
01 42 00	REFERENCES	Tevebaugh	X	X	X	X	X	X	X	

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SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
01 43 25	EXTERIOR ENCLOSURE PERFORMANCE MOCKUP	Tevebaugh					X	X		
01 45 23	TESTING AND INSPECTION SERVICES	Tevebaugh	X	X	X	X	X	X	X	
01 45 25	EXTERIOR ENCLOSURE TESTING SERVICES	Tevebaugh					X	X		
01 50 00	TEMPORARY FACILITIES AND CONTROLS	Tevebaugh	X	X	X	X	X	X	X	
01 60 00	PRODUCT REQUIREMENTS	Tevebaugh	X	X	X	X	X	X	X	
01 73 00	EXECUTION	Tevebaugh	X	X	X	X	X	X	X	
01 73 29	CUTTING AND PATCHING	Tevebaugh	X	X	X	X	X	X	X	
01 74 19	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL	Tevebaugh	X	X	X	X	X	X	X	
01 75 00	STARTING AND ADJUSTING	Tevebaugh	X				X	X	X	
01 77 00	CLOSEOUT PROCEDURES	Tevebaugh	X	X	X	X	X	X	X	
01 78 23	OPERATION AND MAINTENANCE DATA	Tevebaugh	X	X	X	X	X	X	X	
01 78 39	PROJECT RECORD DOCUMENTS	Tevebaugh	X	X	X	X	X	X	X	
01 79 00	DEMONSTRATION AND TRAINING	Tevebaugh	X	X	X	X	X	X	X	
01 83 16	EXTERIOR ENCLOSURE GENERAL REQUIREMENTS	Tevebaugh					X	X		
01 91 13	GENERAL COMMISSIONING REQUIREMENTS	WSP						X		
DIVISION 02 - EXISTING CONDITIONS										
02 15 00	UNDERPINNING AND SHORING	Baker Ingram		X						
02 41 19	SELECTIVE DEMOLITION	Tevebaugh	X							
DIVISION 03 - CONCRETE										
03 20 00	CONCRETE REINFORCING	Verdantas		X	X	X		X		
03 30 00	CAST-IN-PLACE CONCRETE	Baker Ingram		X				X		
03 49 00	GLASS-FIBER-REINFORCED CONCRETE (GFRC)	Tevebaugh					X	X	X	
03 54 16	HYDRAULIC CEMENT UNDERLAYMENT	Tevebaugh						X		
DIVISION 04 - MASONRY										
04 01 00	BRICK REPAIR	Tevebaugh					X	X		
04 01 10	MASONRY CLEANING	Tevebaugh					X	X		
04 01 41	STONE MASONRY REPAIR	Tevebaugh					X	X		
04 20 00	UNIT MASONRY	Tevebaugh						X		
04 42 00	EXTERIOR STONE CLADDING	Tevebaugh					X			
04 73 13	CALCIUM SILICATE MASONRY VENEER	Tevebaugh					X			
DIVISION 05 - METALS										
05 01 70	METAL RESTORATION	Tevebaugh					X	X		
05 12 00	STRUCTURAL STEEL FRAMING	Baker Ingram		X				X		
05 31 00	STEEL DECKING	Baker Ingram		X						

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SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
05 40 00	COLD-FORMED METAL FRAMING	Tevebaugh					X	X		
05 50 00	METAL FABRICATIONS	Tevebaugh						X	X	
05 51 00	METAL STAIRS	Tevebaugh						X	X	
05 53 13	BAR GRATING	Tevebaugh						X	X	
05 73 13	GLAZED DECORATIVE METAL RAILINGS	Tevebaugh						X	X	
05 75 00	DECORATIVE FORMED METAL	Tevebaugh						X	X	
DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES										
06 00 50	REPAIR OF EXTERIOR CARPENTRY	Tevebaugh					X	X	X	
06 10 53	MISCELLANEOUS ROUGH CARPENTRY	Tevebaugh					X	X	X	
06 10 73	EXTERIOR MISC ROUGH CARPENTRY	Tevebaugh					X	X	X	
06 16 00	SHEATHING	Tevebaugh					X			
06 40 23	INTERIOR ARCHITECTURAL WOODWORK	Tevebaugh						X	X	
DIVISION 07 - THERMAL AND MOISTURE PROTECTION										
07 01 50	PREPARATION FOR REROOFING	Tevebaugh					X			
07 11 13	BITUMINOUS DAMPPROOFING	Tevebaugh		X						
07 13 00	WATERPROOFING	Tevebaugh		X			X			
07 16 16	CRYSTALLINE WATERPROOFING	Tevebaugh		X			X			
07 21 00	THERMAL INSULATION	Tevebaugh		X			X	X		
07 21 19	FOAMED IN PLACE INSULATION	Tevebaugh		X			X			
07 21 29	SPRAY APPLIED FIBROUS INSULATION	Tevebaugh					X			
07 27 13	AIR/MOISTURE BARRIERS	Tevebaugh					X			
07 41 14	STANDING-SEAM METAL ROOF AND WALL PANELS	Tevebaugh					X			
07 42 15	INSULATED METAL WALL PANELS	Tevebaugh					X			
07 42 19	ALUMINUM PLATE WALL PANELS	Tevebaugh					X			
07 53 00	SINGLE PLY ROOFING	Tevebaugh					X			
07 56 00	COLD FLUID-APPLIED FLASHING AND TRAFFIC COATING	Tevebaugh					X			
07 62 00	SHEET METAL FLASHING AND TRIM	Tevebaugh					X			
07 62 10	SHEET METAL MAINTENANCE AND REPAIRS	Tevebaugh					X			
07 71 13	MANUFACTURED COPINGS, FASCIAS, AND ROOF SPECIALTIES	Tevebaugh					X			
07 72 00	ROOF ACCESSORIES	Tevebaugh					X	X		
07 81 00	APPLIED FIRE PROTECTION	Tevebaugh						X		
07 84 13	PENETRATION FIRESTOPPING	Tevebaugh						X		
07 84 46	CURTAIN WALL FIRE RESISTANT JOINT SYSTEM	Tevebaugh					X	X	X	
07 92 00	JOINT SEALANTS	Tevebaugh					X	X	X	
07 92 05	EXTERIOR JOINT SEALANT	Tevebaugh					X	X	X	
07 95 10	EXTERIOR EXPANSION CONTROL	Tevebaugh					X	X	X	

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SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
DIVISION 08 - OPENINGS										
08 01 52	WOOD WINDOWS RESTORATION	Tevebaugh					X	X	X	
08 11 10	EXTERIOR HOLLOW METAL DOORS AND FRAMES	Tevebaugh					X	X	X	
08 11 13	INTERIOR HOLLOW METAL DOORS AND FRAMES	Tevebaugh						X	X	
08 14 16	FLUSH WOOD DOORS	Tevebaugh						X	X	
08 31 13	ACCESS DOORS AND FRAMES	Tevebaugh						X	X	
08 36 13	SECTIONAL DOORS	Tevebaugh					X	X	X	
08 41 15	INTERIOR ALUMINUM FRAMED STOREFRONTS	Tevebaugh							X	
08 42 13	ALUMINUM-FRAMED ENTRANCES	Tevebaugh					X	X	X	
08 43 13	GLAZED ALUMINUM STOREFRONT	Tevebaugh					X	X	X	
08 44 13	GLAZED ALUMINUM CURTAIN WALL	Tevebaugh					X	X	X	
08 56 53	BULLET-RESISTANT (BR) WINDOWS	Tevebaugh					X	X	X	
08 71 00	DOOR HARDWARE	Tevebaugh						X	X	
08 80 10	EXTERIOR GLASS AND GLAZING	Tevebaugh					X	X	X	
08 83 00	MIRRORS	Tevebaugh						X	X	
08 91 19	FIXED LOUVERS	Tevebaugh					X	X	X	
DIVISION 09 - FINISHES										
09 01 90	MAINTENANCE EXTERIOR REPAINTING	Tevebaugh					X	X		
09 05 61	COMMON WORK RESULTS FOR FLOORING PREPARATION	Tevebaugh						X		
09 21 16.23	GYPSUM BOARD SHAFT WALL ASSEMBLY	Tevebaugh						X		
09 22 16	NON-STRUCTURAL METAL FRAMING	Tevebaugh						X		
09 24 00	STUCCO REPLACEMENT	Tevebaugh					X	X		
09 29 00	GYPSUM BOARD	Tevebaugh						X		
09 30 00	TILING	Tevebaugh						X		
09 51 13	ACOUSTICAL PANEL CEILINGS	Tevebaugh						X		
09 64 29	WOOD STRIP AND PLANK FLOORING	Tevebaugh						X		
09 65 13	RESILIENT BASE AND ACCESSORIES	Tevebaugh						X		
09 65 19	RESILIENT TILE FLOORING	Tevebaugh						X		
09 66 23	RESINOUS MATRIX TERRAZZO FLOORING	Tevebaugh						X		
09 68 13	TILE CARPETING	Tevebaugh						X		
09 72 00	WALL COVERINGS	Tevebaugh						X		
09 83 00	ACOUSTIC FINISHES	Tevebaugh						X	X	
09 90 00	PAINTING AND COATING	Tevebaugh						X		
09 96 10	EXTERIOR HIGH PERFORMANCE COATINGS	Tevebaugh					X	X		
09 96 46	INTUMESCENT PAINTING	Tevebaugh						X		
09 97 26	MINERAL SILICATE COATINGS	Tevebaugh					X	X		

Not For Bid

SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
09 97 33	CONCRETE FLOOR SEALER	Tevebaugh						X		
DIVISION 10 - SPECIALTIES										
10 14 23	PANEL SIGNAGE	Tevebaugh								
10 21 13.14	STAINLESS-STEEL TOILET COMPARTMENTS	Tevebaugh						X	X	
10 26 00	WALL AND DOOR PROTECTION	Tevebaugh						X	X	
10 28 00	TOILET, BATH, AND LAUNDRY ACCESSORIES	Tevebaugh						X	X	
10 44 13	FIRE PROTECTION CABINETS	Tevebaugh						X	X	
10 44 16	FIRE EXTINGUISHERS	Tevebaugh						X	X	
10 82 13	METAL SCREEN WALL	Tevebaugh					X	X	X	
DIVISION 11 - EQUIPMENT										
11 14 00	PEDESTRIAN CONTROL EQUIPMENT	Tevebaugh						X	X	
11 24 23	MAINTENANCE SAFETY EQUIPMENT	Tevebaugh					X	X		
DIVISION 12 - FURNISHINGS										
12 24 13	ROLLER WINDOW SHADES	Tevebaugh						X	X	
12 36 00	COUNTERTOPS	Tevebaugh						X	X	
12 48 13	ENTRANCE FLOOR MATS AND FRAMES	Tevebaugh						X		
12 59 00	SYSTEMS FURNITURE	Tevebaugh								
DIVISION 13 - SPECIAL CONSTRUCTION – NOT USED										
DIVISION 14 - CONVEYING EQUIPMENT										
14 21 00	CONVEYING EQUIPMENT	Tevebaugh					X			
DIVISION 21 - FIRE SUPPRESSION										
21 00 10	FIRE PROTECTION GENERAL PROVISIONS	WSP						X	X	
21 00 50	FIRE PROTECTION BASIC MATERIALS AND METHODS	WSP						X	X	
21 08 00	COMMISSIONING OF FIRE PROTECTION SYSTEMS	WSP						X	X	
21 10 00	SPRINKLER AND STANDPIPE SYSTEMS	WSP						X	X	
21 31 13	ELECTRIC-DRIVE, CENTRIFUGAL FIRE PUMPS	WSP						X	X	
DIVISION 22 - PLUMBING										
22 00 10	PLUMBING GENERAL PROVISIONS	WSP						X	X	
22 00 50	PLUMBING BASIC MATERIALS AND METHODS	WSP						X	X	

Not For Bid

SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
22 05 33	HEAT TRACING FOR PLUMBING PIPING	WSP						X	X	
22 05 93	TESTING, ADJUSTING AND BALANCING FOR PLUMBING SYSTEMS	WSP						X	X	
22 07 00	PLUMBING PIPING INSULATION	WSP						X	X	
22 08 00	COMMISSIONING OF PLUMBING SYSTEMS	WSP						X	X	
22 11 10	PUMPS	WSP						X	X	
22 13 00	PLUMBING SPECIALTIES	WSP						X	X	
22 34 00	DOMESTIC WATER HEATERS	WSP						X	X	
22 42 13	PLUMBING FIXTURES	WSP						X	X	
DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING										
23 00 10	MECHANICAL GENERAL PROVISIONS	WSP						X	X	
23 00 50	HVAC BASIC MATERIALS AND METHODS	WSP						X	X	
23 05 33	HEAT TRACING FOR HVAC PIPING	WSP						X	X	
23 05 93	TESTING, ADJUSTING, AND BALANCING FOR HVAC	WSP						X	X	
23 07 00	MECHANICAL SYSTEMS INSULATION	WSP						X	X	
23 08 00	COMMISSIONING OF HVAC SYSTEMS	WSP						X	X	
23 09 00	INSTRUMENTATION AND CONTROL FOR HVAC	WSP						X	X	
23 09 23	GAS INSTRUMENTS	WSP						X	X	
23 21 23	HYDRONIC PUMPS	WSP						X	X	
23 25 00	HVAC WATER TREATMENT	WSP						X	X	
23 29 23	VARIABLE FREQUENCY MOTOR CONTROLLER	WSP						X	X	
23 33 00	DUCTWORK AND ACCESSORIES	WSP						X	X	
23 34 00	FANS AND VENTILATORS	WSP						X	X	
23 36 00	AIR TERMINAL UNITS	WSP						X	X	
23 52 16	CONDENSING BOILERS	WSP						X	X	
23 74 16	PACKAGED ROOFTOP UNITS	WSP					X	X	X	
23 81 00	PACKAGED AND SPLIT SYSTEM AIR CONDITIONING UNITS	WSP						X	X	
23 82 00	HEATING AND AIR CONDITIONING TERMINAL EQUIPMENT	WSP						X	X	
DIVISION 26 - ELECTRICAL										
26 00 10	ELECTRICAL GENERAL PROVISIONS	WSP						X	X	
26 05 19	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES	WSP						X	X	
26 05 26	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	WSP						X	X	
26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	WSP						X	X	
26 05 33	RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS	WSP						X	X	
26 05 43	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS	WSP						X	X	

Not For Bid

SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
26 05 44	SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING	WSP						X	X	
26 05 53	IDENTIFICATION FOR ELECTRICAL SYSTEMS	WSP						X	X	
26 05 73	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY	WSP					X	X	X	
26 09 23	LIGHTING CONTROL DEVICES	WSP						X	X	
26 09 43	CENTRALIZED NETWORKABLE LIGHTING CONTROLS	WSP						X	X	
26 22 00	LOW-VOLTAGE TRANSFORMERS	WSP						X	X	
26 23 00	LOW-VOLTAGE SWITCHGEAR	WSP					X	X	X	
26 24 16	PANELBOARDS	WSP						X	X	
26 25 50	DUAL PURPOSE GENERATOR DOCKING STATION	WSP					X	X	X	
26 27 26	WIRING DEVICES	WSP						X	X	
26 28 13	FUSES	WSP						X	X	
26 28 16	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	WSP						X	X	
26 29 13	ENCLOSED CONTROLLERS	WSP						X	X	
26 32 13	ENGINE GENERATORS	WSP					X	X	X	
26 36 00	TRANSFER SWITCHES	WSP					X	X	X	
26 41 13	LIGHTNING PROTECTION FOR STRUCTURES	WSP						X	X	
26 51 00	INTERIOR LIGHTING	WSP						X	X	
26 83 13	RADIANT-HEATING ELECTRIC CABLES	WSP						X	X	
DIVISION 27 - COMMUNICATIONS										
27 05 26	GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS	WSP						X		
27 05 28	PATHWAYS FOR COMMUNICATIONS SYSTEMS	WSP						X		
27 05 29	HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS	WSP						X		
27 05 36	CABLE TRAYS FOR COMMUNICATIONS SYSTEMS	WSP						X		
27 05 43	UNDERGROUND PATHWAYS AND STRUCTURES FOR COMMUNICATION SYSTEMS	WSP						X		
27 05 44	SLEEVES AND SLEEVE SEALS FOR COMMUNICATIONS PATHWAYS AND CABLING	WSP						X		
27 05 53	IDENTIFICATION FOR COMMUNICATIONS SYSTEMS	WSP						X		
27 11 00	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	WSP						X		
27 11 16	COMMUNICATIONS RACKS, FRAMES, AND ENCLOSURES	WSP						X		
27 13 23	COMMUNICATIONS OPTICAL FIBER BACKBONE CABLING	WSP						X		
27 15 13	COMMUNICATIONS COPPER HORIZONTAL CABLING	WSP						X		
27 41 00	AV GENERAL CONDITIONS	SMW								
27 41 16	AUDIOVISUAL SPECIFICATION	SMW								

Not For Bid

SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
DIVISION 28 - ELECTRONIC SAFETY AND SECURITY										
28 00 00	ELECTRONIC SAFETY AND SECURITY	SMW								
28 05 13	ELECTRONIC SECURITY CONDUCTORS AND CABLING	SMW								
28 13 26	ACCESS CONTROL FIELD DEVICES	SMW								
28 13 33	ACCESS CONTROL SYSTEM INTERFACES	SMW								
28 23 00	VIDEO SURVEILLANCE	SMW								
28 23 29	VIDEO SURVEILLANCE FIELD DEVICES	SMW								
28 31 11	DIGITAL, ADDRESSABLE FIRE-ALARM & DETECTION SYSTEM	WSP								
28 48 00	EMERGENCY RESPONSE SYSTEMS	WSP								
28 52 20	SECURITY COMMUNICATION SYSTEMS	SMW								
DIVISION 31 – EARTHWORK										
31 05 13	EARTHWORK	Verdantas			X	X				
31 10 00	SITE CLEARING	Verdantas			X	X				
31 23 16.13	TRENCHING	Verdantas			X	X				
31 60 00	FOUNDATION GROUND MODIFICATION	Verdantas			X					
DIVISION 32 - EXTERIOR IMPROVEMENTS										
32 01 16	FLEXIBLE PAVING REHABILITATION	Verdantas			X	X				
32 05 13	SOILS FOR EXTERIOR IMPROVEMENTS	Verdantas			X	X				
32 11 23	AGGREGATE BASE COURSES	Verdantas			X	X				
32 12 16	ASPHALT PAVING	Verdantas			X	X				
32 13 13	CONCRETE PAVING	Verdantas			X	X				
32 14 16	BRICK UNIT PAVING	Verdantas			X	X				
32 16 23	SIDEWALKS	Verdantas			X	X				
32 17 23	PAVEMENT MARKINGS	Verdantas			X	X				
32 91 13	SOIL PREPARATION	Verdantas			X	X				
32 91 19	LANDSCAPE GRADING	Verdantas			X	X				
32 92 19	LANDSCAPE ACCESSORIES	Verdantas			X	X				
32 92 19	SEEDING	Verdantas			X	X				
32 92 23	SODDING	Verdantas			X	X				
32 93 00	PLANTS	Verdantas			X	X				
32 93 10	SOIL CELL SYSTEM	Verdantas			X	X				
DIVISION 33 – UTILITIES										
33 01 30.11	TELEVISION INSPECTION OF SEWERS	Verdantas			X	X				
33 05 05.36	VACUUM TESTING	Verdantas			X	X				
33 05 05.41	AIR TESTING	Verdantas			X	X				

Not For Bid

SECTION	SECTION TITLE	AUTHOR	1	2	3	4	5	6	7	8
33 05 33.16	HDPE DRAINAGE PIPING	Verdantas			X	X				
33 14 17	SITE WATER SERVICE UTILITY LATERALS	Verdantas			X	X				
33 31 00	SANITARY SEWERAGE PIPING	Verdantas			X	X				
33 31 11	PUBLIC SANITARY SEWERAGE GRAVITY PIPING	Verdantas			X	X				
33 42 00	STORMWATER CONVEYANCE	Verdantas			X	X				
DIVISION 34 – TRANSPORTATION – NOT USED										

END OF SECTION

Not For Bid

SECTION 00 01 15
LIST OF DRAWING SHEETS

SUBMISSIONS:

1	Bid Pack 1 – Bid Submission	09.25.2023
2	Bid Pack 2 – Bid Submission	02.09.2024
3	Bid Pack 3 – Bid Submission	07.12.2024
4	Bid Pack 2.1 – Bid Submission	04.05.2024
5	Bid Pack 4 – Addendum 3	02.21.2025
6	Bid Pack 2.1A – Bid Submission	07.03.2024
7	Bid Pack 4A – GSS DFM Submission	04.29.2025
8		

Sections issued for record are annotated with an "X".
 Sections listed without any annotation are anticipated future sections.

Bid Pack 4A

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
GENERAL									
CS01.2	COVER SHEET BP2	X	X	X	X	X	X	X	
CS02.2	DRAWING LIST	X	X	X	X	X	X	X	
CIVIL									
C001	INDEX SHEET		X		X		X		
C101	EXISTING CONDITIONS/DEMOLITION PLAN				X		X		
C102	DEMOLITION PLAN				X		X		
C201	SITE PLAN				X		X		
C301	UTILITY PLAN				X		X		
C302	STORM PROFILE				X		X		
C303	SANITARY SEWER PLAN				X		X		
C304	SANITARY PROFILES				X		X		
C401	GRADING PLAN				X		X		
C501	SEDIMENT AND STORMWATER INDEX SHEET				X		X		
C502	PRE-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN				X		X		
C503	CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN				X		X		
C504	CONSTRUCTION DETAILS & NOTES				X		X		
C505	CONSTRUCTION DETAILS & NOTES				X		X		
C506	CONSTRUCTION DETAILS & NOTES				X		X		
C507	CONSTRUCTION DETAILS & NOTES				X		X		
C508	POST-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN				X		X		
C509	POST-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN FACILITY				X		X		

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
C510	POST-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN FACILITY				X		X		
C511	POST-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN				X		X		
C601	SIGNAGE AND STRIPING PLAN				X		X		
C901	CONSTRUCTION DETAILS				X		X		
C902	CONSTRUCTION DETAILS				X		X		
C903	CONSTRUCTION DETAILS				X		X		
C904	CONSTRUCTION DETAILS				X		X		
C905	CONSTRUCTION DETAILS				X		X		
L101	LANDSCAPE PLAN				X		X		
L102	LANDSCAPE PLAN				X		X		
L103	LANDSCAPE PLAN				X		X		
L104	LANDSCAPE PLAN SPECIFICATIONS				X		X		
FM101	FIRE MARSHALL PLAN				X		X		
ENV101	VAPOR MITIGATION PLAN VIEWS		O		X		X		
ENV102	VAPOR MITIGATION PLAN VIEWS		O		X		X		
ENV103	VAPOR MITIGATION PLAN VIEWS		O		X		X		
ENV104	VAPOR MITIGATION PLAN VIEWS		O		X		X		
ENV105	VAPOR MITIGATION PLAN VIEWS		O		X		X		
ENV106	VAPOR MITIGATION DETAILS				X		X		
ENV107	VAPOR MITIGATION DETAILS				X		X		
ENV108	VAPOR MITIGATION DETAILS				X		X		
ENT001	INDEX SHEET				X		X		
ENT002	OVERALL PLAN				X		X		
ENT101	ENTRANCE PLAN - EXISTING PLAN				X		X		
ENT201	ENTRANCE PLAN - CONSTRUCTION PLAN				X		X		
ENT301	UTILITY PLAN				X		X		
ENT401	GRADING PLAN				X		X		
ENT601	STRIPPING PLAN				X		X		
ENT801	SECTIONS PLAN				X		X		
ENT802	SECTIONS PLAN				X		X		
ENT803	SECTIONS PLAN				X		X		
ENT901	ENTRANCE PLAN - DETAILS				X		X		
ENT902	ENTRANCE PLAN - PEDESTRIAN MAINTNANCE OF TRAFFIC PLAN				X		X		
ENT903	TRAFFIC CONTROL PLAN - LONG TERM LANE CLOSURE						X		
STRUCTURAL									
S100	STRUCTURAL NOTES		X						
S101	FOUNDATION PLAN		X						
S102	LEVEL 2 FLOOR FRAMING PLAN		X						
S103	LEVEL 3 FLOOR & LOW ROOF FRAMING PLAN		X						

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
S104	ROOF FRAMING PLANS		X						
S105	EXISTING BUILDING FRAMING PLANS		X						
S200	EXISTING BUILDING SECTIONS & DETAILS		X						
S200A	EXISTING BUILDING SECTIONS & DETAILS		X						
S201	TYPICAL FOUNDATION SECTIONS & DETAILS		X						
S202	TYPICAL FRAMING SECTIONS & DETAILS		X						
S203	TYPICAL SECTIONS & DETAILS		X						
S301	TYPICAL CONCRETE SECTIONS & DETAILS		X						
S302	TYPICAL STEEL SECTIONS & DETAILS		X						
S303	TYPICAL STAIR AND ELEVATOR SECTIONS & DETAILS		X						
S304	TYPICAL COLD FORMED FRAMING SECTIONS & DETAILS		X						
S305	TYPICAL MASONRY SECTIONS & DETAILS		X						
S400	FOUNDATION DESIGN INFORMATION		X						

ARCHITECTURAL

D100	SELECTIVE DEMO PLANS	X							
D110	SELECTIVE DEMO REFLECTED CEILING PLANS (RCP)	X							
D201	EXTERIOR ELEVATIONS PHOTOS	X							
D202	INTERIOR PHOTOS	X							
D203	EXTERIOR ELEVATIONS	X							
A001	LIFE SAFETY PLAN - LEVEL 1 & TUNNEL PLAN		X			X		X	
A002	LIFE SAFETY PLAN - LEVEL 2		X			X		X	
A003	LIFE SAFETY PLAN - LEVEL 3		X			X		X	
A004	LIFE SAFETY PLAN - MEZZANINE & ATTIC		X			X		X	
A040	LIFE SAFETY AND CODE SUMMARY					X		X	
A050	UL ASSEMBLIES					X		X	
A051	UL ASSEMBLIES					X		X	
A052	UL ASSEMBLIES					X		X	
A053	UL ASSEMBLIES					X		X	
A070	INTERIOR PARTITION TYPES					X		X	
A071	CMU PARTITION DETAILS					X		X	
A091	ARCHITECTURAL SITE PLAN		X	X	X	X	X	X	
A092	ARCHITECTURAL SITE DETAILS		X	X	X	X	X	X	
A093	ARCHITECTURAL SITE DETAILS		X	X	X	X	X	X	
A094	EXTERIOR DOOR, GATE & FENCE DETAILS			X	X	X	X	X	
A095	SITE DETAILS					X		X	
A101	FLOOR PLAN – LEVEL 1		X	X	X	X	X	X	
A101A	FLOOR PLAN - LEVEL 1 – EDGE OF SLAB & FOUNDATION TREATMENT		X	X	X	X	X	X	
A101B	FLOOR PLAN - LEVEL 1 - DIMENSIONING PLAN					X		X	
A102	FLOOR PLAN – LEVEL 2		X	X		X		X	
A102A	FLOOR PLAN - LEVEL 2 - EDGE OF SLAB		X	X		X		X	

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
A102B	FLOOR PLAN - LEVEL 2 - DIMENSIONING PLAN					X		X	
A103	FLOOR PLAN - LEVEL 3		X	X		X		X	
A103A	FLOOR PLAN - LEVEL 3 - EDGE OF SLAB		X	X		X		X	
A103B	FLOOR PLAN - LEVEL 3 - DIMENSIONING PLAN					X		X	
A104	ROOF & MEZZANINE PLANS		X	X		X		X	
A105	UPPER ROOF & ATTIC PLANS		X	X		X		X	
A111	REFLECTED CEILING PLAN - LEVEL 1					X		X	
A112	REFLECTED CEILING PLAN - LEVEL 2					X		X	
A113	REFLECTED CEILING PLAN - LEVEL 3					X		X	
A114	REFLECTED CEILING PLAN - TUNNEL, MEZZANINE, AND TOWER LEVEL					X		X	
A116	MOCK-UP WALL					X		X	
A201	BUILDING ELEVATIONS		X	X	X	X	X	X	
A202	BUILDING ELEVATIONS		X	X	X	X	X	X	
A203	BUILDING ELEVATION DETAILS (DELETED)			X					
A204	EXISTING BUILDING ELEVATIONS - DEMOLITION			X		X		X	
A205	EXISTING BUILDING ELEVATIONS - NEW CONSTRUCTION		X	X		X		X	
A301	BUILDING SECTIONS		X	X		X		X	
A302	BUILDING SECTIONS		X	X		X		X	
A303	BUILDING SECTIONS		X	X		X		X	
A304	RTU CURB ROOF SECTION		X	X		X		X	
A310	EXTERIOR WALL ASSEMBLIES		X	X		X		X	
A311	WALL SECTIONS		X	X	X	X	X	X	
A312	WALL SECTIONS		X	X	X	X	X	X	
A313	WALL SECTIONS		X	X	X	X	X	X	
A314	WALL SECTIONS		X	X	X	X	X	X	
A315	WALL SECTIONS		X	X	X	X	X	X	
A316	WALL SECTIONS AND DETAILS		X	X		X		X	
A321	WALL SECTION DETAILS		X	X	X	X	X	X	
A322	WALL SECTION DETAILS		X	X		X		X	
A323	WALL SECTION DETAILS			X		X		X	
A324	WALL SECTION DETAILS			X		X		X	
A325	EXPANSION JOINT DETAILS			X		X		X	
A326	EXPANSION JOINT DETAILS			X		X		X	
A327A	TYPICAL ENCLOSURE DETAILS			X		X		X	
A327B	TYPICAL ENCLOSURE DETAILS			X		X		X	
A331	TUNNEL/FOUNDATION - EXTERIOR WALL PLAN DETAILS		X	X		X		X	
A332	EXTERIOR WALL PLAN DETAILS		X	X		X		X	
A333	EXTERIOR WALL PLAN DETAILS		X	X		X		X	
A334	EXTERIOR WALL PLAN DETAILS			X		X		X	
A340	ELEVATIONS - ROOF SCREEN & METAL PANEL CLADDING		X	X		X		X	

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
A341	ROOF DETAILS		X	X		X		X	
A342	EXISTING ROOF RENOVATION DETAILS		X	X		X		X	
A343	HISTORICAL BALCONY DETAILS		X	X		X		X	
A401	ENLARGED PLANS - LOBBY					X		X	
A402	ENLARGED RCP - LOBBY					X		X	
A403	ENLARGED PLANS - LOBBY					X		X	
A404	ENLARGED ELEVATIONS - LOBBY					X		X	
A405	ENLARGED ELEVATIONS - LOBBY					X		X	
A412	ENLARGED PLANS - COURTROOM					X		X	
A413	ENLARGED ELEVATIONS - COURTROOM					X		X	
A421	RESTROOM ENLARGED PLANS & ELEVATIONS - LEVEL 01					X		X	
A422	RESTROOM ENLARGED PLANS & ELEVATIONS - LEVEL 02					X		X	
A423	RESTROOM ENLARGED PLANS & ELEVATIONS - LEVEL 02 Cont.					X		X	
A424	RESTROOM ENLARGED PLANS & ELEVATIONS - LEVEL 03					X		X	
A425	RESTROOM ENLARGED PLANS & ELEVATIONS - LEVEL 03 Cont.					X		X	
A426	CASEWORK ENLARGED PLANS & ELEVATIONS					X		X	
A427	CASEWORK ENLARGED PLANS & ELEVATIONS					X		X	
A428	CASEWORK ENLARGED PLANS & ELEVATIONS					X		X	
A430	ENLARGED PLANS - EXISTING BUILDING					X		X	
A431	EXISTING INTERIOR ELEVATIONS					X		X	
A432	EXISTING INTERIOR ELEVATIONS					X		X	
A433	EXISTING INTERIOR ELEVATIONS					X		X	
A434	EXISTING INTERIOR ELEVATIONS					X		X	
A435	EXISTING INTERIOR ELEVATIONS & SECTIONS					X		X	
A501	MILLWORK PLANS & ELEVATIONS					X		X	
A502	MILLWORK PLANS & ELEVATIONS					X		X	
A503	MILLWORK PLANS & ELEVATIONS					X		X	
A511	MILLWORK SECTIONS					X		X	
A512	MILLWORK SECTIONS					X		X	
A515	MILLWORK DETAILS					X		X	
A521	CEILING DETAILS					X		X	
A522	CEILING DETAILS					X		X	
A523	CEILING DETAILS					X		X	
A524	CEILING DETAILS - EXISTING BUILDING - LEVEL 01					X		X	
A525	CEILING DETAILS - EXISTING BUILDING - LEVEL 02					X		X	
A526	CEILING DETAILS - EXISTING BUILDING - LEVEL 03					X		X	
A528	TYPICAL CEILING DETAILS					X		X	
A529	CEILING DETAILS					X		X	
A531	INTERIOR WALL DETAILS					X		X	

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
A532	INTERIOR WALL DETAILS					X		X	
A551	INTERIOR COLUMN ENCLOSURES					X		X	
A552	INTERIOR COLUMN ENCLOSURES					X		X	
A553	INTERIOR COLUMN ENCLOSURES					X		X	
A554	INTERIOR COLUMN ENCLOSURES & PLAN DETAILS					X		X	
A601A	EXTERIOR DOOR TYPES, SCHEDULE & DETAILS		X	X		X		X	
A601B	EXTERIOR DOOR DETAILS		X	X		X		X	
A602A	INTERIOR DOOR SCHEDULES					X		X	
A602B	INTERIOR DOOR DETAILS					X		X	
A602C	INTERIOR DOOR DETAILS					X		X	
A603	WINDOW / CURTAIN WALLS / STOREFRONT TYPES			X		X		X	
A604	WINDOW DETAILS - EXTERIOR			X		X		X	
A605	WINDOW DETAILS - EXTERIOR			X		X		X	
A606	CURTAIN WALL DETAILS - EXTERIOR			X		X		X	
A607A	EXISTING WINDOW DETAILS - EXTERIOR			X		X		X	
A607B	EXISTING WINDOW DETAILS - EXTERIOR			X		X		X	
A615	WINDOW SCHEDULE & DETAILS - INTERIOR					X		X	
A616	INTERIOR WINDOW TYPES					X		X	
A701	STAIR A ENLARGED PLANS & SECTIONS		X	X		X		X	
A702	STAIR A - SECTIONS		X	X		X		X	
A703	STAIR B ENLARGED PLANS & SECTIONS		X	X		X		X	
A704	STAIR C ENLARGED PLANS, SECTIONS & DETAILS		X	X		X		X	
A705	STAIR DETAILS		X	X	X	X	X	X	
A706	HOISTWAY 'A' PLANS & SECTIONS		X	X		X		X	
A707	HOISTWAY 'B-C' PLANS & SECTIONS		X	X		X		X	
A708	ELEVATOR DETAILS		X	X		X		X	
A709	RAMPS & EGRESS DOOR DETAILS			X		X		X	
A710	ENLARGED PLAN & SECTIONS - GRAND STAIR					X		X	
A711	GRAND STAIR DETAILS					X		X	
A801	FINISH PLAN - LEVEL 1					X		X	
A802	FINISH PLAN - LEVEL 2					X		X	
A803	FINISH PLAN - LEVEL 3					X		X	
A804	FINISH PLAN - LEVEL MEZZANINE					X		X	
A805	ROOM FINISH SCHEDULE					X		X	
A820	FINISH LEGEND & DETAILS					X		X	
A822	CASEWORK SECTIONS					X		X	

MECHANICAL

MPP001	MECHANICAL LEGEND, CONVENTIONS, AND ABBREVIATIONS			X					
MPP118	FLOOR PLAN - OVERALL ROOF - NEW WORK - HVAC PRE-PURCHASE			X					

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
MPP603	MECHANICAL SCHEDULES PRE-PURCHASE			X					
MPP703	MECHANICAL ATC PRE-PURCHASE			X					
M000	MECHANICAL LEGEND, CONVENTIONS, AND ABBREVIATIONS					X		X	
M111	LEVEL 1 COMPOSITE PLAN - NEW WORK - HVAC					X		X	
M111.A	PART FLOOR PLAN - TUNNEL AND LEVEL 1 - NEW WORK - HVAC					X		X	
M111.B	PART FLOOR PLAN - LEVEL 1 - NEW WORK - HVAC					X		X	
M111.D	PART FLOOR PLAN - LEVEL 1 - NEW WORK - HVAC					X		X	
M112	LEVEL 2 COMPOSITE PLAN - NEW WORK - HVAC					X		X	
M112.A	PART FLOOR PLAN - LEVEL 2 - NEW WORK - HVAC					X		X	
M112.B	PART FLOOR PLAN - LEVEL 2 - NEW WORK - HVAC					X		X	
M112.C	PART FLOOR PLAN - LEVEL 2 - NEW WORK - HVAC					X		X	
M112.D	PART FLOOR PLAN - LEVEL 2 - NEW WORK - HVAC					X		X	
M113	LEVEL 3 COMPOSITE PLAN - NEW WORK - HVAC								
M113.A	PART FLOOR PLAN - LEVEL 3 - NEW WORK - HVAC					X		X	
M113.B	PART FLOOR PLAN - LEVEL 3 - NEW WORK - HVAC					X		X	
M113.C	PART FLOOR PLAN - LEVEL 3 - NEW WORK - HVAC					X		X	
M113.D	PART FLOOR PLAN - LEVEL 3 - NEW WORK - HVAC					X		X	
M114	FLOOR PLAN - LEVEL 4 - NEW WORK - HVAC					X		X	
M115	FLOOR PLAN - ATTIC - NEW WORK - HVAC					X		X	
M116	PART FLOOR PLAN - ROOF - NEW WORK - HVAC					X		X	
M117	FLOOR PLAN - OVERALL ROOF - NEW WORK - HVAC					X		X	
M501	MECHANICAL DETAILS					X		X	
M502	MECHANICAL DETAILS					X		X	
M601	MECHANICAL SCHEDULES					X		X	
M602	MECHANICAL SCHEDULES					X		X	
M701	MECHANICAL ATC					X		X	
M702	MECHANICAL ATC					X		X	
M801	MECHANICAL RISERS					X		X	
M802	MECHANICAL RISERS					X		X	

ELECTRICAL

EPP000	ELECTRICAL LEGEND, CONVENTIONS, AND ABBREVIATIONS			X					
EPP401	PART PLANS - FIRST FLOOR - NEW WORK - ELECTRICAL			X					
EPP402	FLOOR PLAN - OVERALL ROOF - NEW WORK - ELECTRICAL PREPURCHASE			X					
EPP701	ELECTRICAL SINGLE LINE DIAGRAM AND SCHEDULES			X					
E000	ELECTRICAL LEGEND, CONVENTIONS, AND ABBREVIATIONS					X		X	
E101	LEVEL 1 COMPOSITE PLAN - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E101.A	PART FLOOR PLAN - TUNNEL AND LEVEL 1 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
E101.B	PART FLOOR PLAN - LEVEL 1 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E101.D	PART FLOOR PLAN - LEVEL 1 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E102	LEVEL 2 COMPOSITE PLAN - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E102.A	PART FLOOR PLAN - LEVEL 2 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E102.B	PART FLOOR PLAN - LEVEL 2 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E102.C	PART FLOOR PLAN - LEVEL 2 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E102.D	PART FLOOR PLAN - LEVEL 2 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E103	LEVEL 3 COMPOSITE PLAN - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E103.A	PART FLOOR PLAN - LEVEL 3 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E103.B	PART FLOOR PLAN - LEVEL 3 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E103.C	PART FLOOR PLAN - LEVEL 3 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E103.D	PART FLOOR PLAN - LEVEL 3 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E104	FLOOR PLAN - LEVEL 4 - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E105	PART FLOOR PLAN - ATTIC - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E106	PART FLOOR PLAN - ROOF - NEW WORK - LIGHTING AND FIRE ALARM					X		X	
E111	LEVEL 1 COMPOSITE PLAN - NEW WORK - POWER AND COMMUNICATION					X		X	
E111.A	PART FLOOR PLAN - TUNNEL AND LEVEL 1 - NEW WORK - POWER AND					X		X	
E111.B	COMMUNICATIONS					X		X	
E111.D	PART FLOOR PLAN - LEVEL 1 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E112	LEVEL 2 COMPOSITE PLAN - NEW WORK - POWER AND COMMUNICATION					X		X	
E112.A	PART FLOOR PLAN - LEVEL 1 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E112.B	PART FLOOR PLAN - LEVEL 2 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E112.C	PART FLOOR PLAN - LEVEL 2 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E112.D	PART FLOOR PLAN - LEVEL 2 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E113	LEVEL 3 COMPOSITE PLAN - NEW WORK - POWER AND COMMUNICATION					X		X	
E113.A	PART FLOOR PLAN - LEVEL 2 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E113.B	PART FLOOR PLAN - LEVEL 3 - NEW WORK - POWER AND COMMUNICATIONS					X		X	

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
E113.C	PART FLOOR PLAN - LEVEL 3 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E113.D	PART FLOOR PLAN - LEVEL 3 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E114	FLOOR PLAN - LEVEL 4 - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E115	FLOOR PLAN - ATTIC - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E116	FLOOR PLAN - ROOF - NEW WORK - POWER AND COMMUNICATIONS					X		X	
E117	FLOOR PLAN - OVERALL ROOF - NEW WORK - ELECTRICAL					X		X	
E301	SITE PLAN - NEW WORK - ELECTRICAL					X		X	
E401	PART PLANS -NEWWORK -ELECTRICAL					X		X	
E402	ELECTRICAL -CONDUIT PLANS -STAIR A					X		X	
E403	ELECTRICAL -CONDIUT PLANS -STAIR B					X		X	
E404	ELECTRICAL -CONDUIT PLANS -STAIR C					X		X	
E501	ELECTRICAL SINGLE LINE DIAGRAM					X		X	
E601	ELECTRICAL DETAILS -SITE PLAN DETAILS					X		X	
E602	ELECTRICAL DETAILS -EQUIPMENT DETAILS					X		X	
E603	ELECTRICAL DETAILS					X		X	
E604	ELECTRICAL DETAILS -LIGHTING DETAILS					X		X	
E605	ELECTRICAL DETAILS -LIGHTING DETAILS					X		X	
E606	ELECTRICAL DETAILS -LIGHTING DETAILS					X		X	
E607	ELECITRCAL DETAILS -FIRE ALARM DETAILS					X		X	
E701	ELECTRICAL SCHEDULES					X		X	
E702	ELECTRICAL SCHEDULES					X		X	
E703	ELECTRICAL SCHEUDLES					X		X	
E704	ELECTRICAL SCHEDULES					X		X	
E705	ELECTRICAL SCHEDULES					X		X	

PLUMBING

P000	PLUMBING LEGEND, CONVENTIONS, AND ABBREVIATIONS					X		X	
P100	UNDERSLAB COMPOSITE PLAN - NEW WORK - PLUMBING					X		X	
P100.A	PART FLOOR PLAN - TUNNEL AND UNDERSLAB - NEW WORK - PLUMBING					X		X	
P100.B	PART FLOOR PLAN - UNDERSLAB - NEW WORK - PLUMBING					X		X	
P100.C	PART FLOOR PLAN - UNDERSLAB - NEW WORK - PLUMBING					X		X	
P100.D	PART FLOOR PLAN - UNDERSLAB - NEW WORK - PLUMBING					X		X	
P101	LEVEL 1 COMPOSITE PLAN - NEW WORK - PLUMBING					X		X	
P101.A	PART FLOOR PLAN - LEVEL 1 - NEW WORK - PLUMBING					X		X	
P101.B	PART FLOOR PLAN - LEVEL 1 - NEW WORK - PLUMBING					X		X	
P101.D	PART FLOOR PLAN - LEVEL 1 - NEW WORK - PLUMBING					X		X	
P102	LEVEL 2 COMPOSITE PLAN - NEW WORK - PLUMBING					X		X	

Not For Bid

Sheet Number	Sheet Name	1	2	3	4	5	6	7	8
P102.A	PART FLOOR PLAN - LEVEL 2 - NEW WORK - PLUMBING					X		X	
P102.B	PART FLOOR PLAN - LEVEL 2 - NEW WORK - PLUMBING					X		X	
P102.C	PART FLOOR PLAN - LEVEL 2 - NEW WORK - PLUMBING					X		X	
P102.D	PART FLOOR PLAN - LEVEL 2 - NEW WORK - PLUMBING					X		X	
P103	LEVEL 3 COMPOSITE PLAN - NEW WORK - PLUMBING					X		X	
P103.A	PART FLOOR PLAN - LEVEL 3 - NEW WORK - PLUMBING					X		X	
P103.B	PART FLOOR PLAN - LEVEL 3 - NEW WORK - PLUMBING					X		X	
P103.C	PART FLOOR PLAN - LEVEL 3 - NEW WORK - PLUMBING					X		X	
P103.D	PART FLOOR PLAN - LEVEL 3 - NEW WORK - PLUMBING					X		X	
P104	FLOOR PLAN -LEVEL 4 -NEW WORK -PLUMBING					X		X	
P105	FLOOR PLAN -ATTIC -NEW WORK PLUMBING					X		X	
P106	PART FLOOR PLAN - ROOF - NEW WORK - PLUMBING					X		X	
P107	FLOOR PLAN - OVERALL ROOF - NEW WORK - PLUMBING					X		X	
P501	PLUMBING DETAILS					X		X	
P601	PLUMBING SCHEDULES					X		X	
P701	PLUMBING RISERS					X		X	

FIRE PROTECTION

FP000	FIRE PROTECTION LEGEND, CONVENTIONS, AND ABBREVIATIONS					X			
FP101	FLOOR PLAN - LEVEL 1 - NEW WORK - FIRE PROTECTION					X			
FP102	FLOOR PLAN - LEVEL 2 - NEW WORK - FIRE PROTECTION					X			
FP103	FLOOR PLAN - LEVEL 3 - NEW WORK - FIRE PROTECTION					X			
FP104	FLOOR PLAN - LEVEL 4 - NEW WORK - FIRE PROTECTION					X			
FP105	FLOOR PLAN - ATTIC - NEW WORK - FIRE PROTECTION					X			
FP106	PART FLOOR PLAN - NEW WORK - DETAILS					X			

TECHNOLOGY

TA000	AUDIO VISUAL LEGEND					X			
TA001	AUDIOVISUAL SCHEDULES					X			
TA101	AUDIOVISUAL OVERALL PLAN - LEVEL 1					X			
TA102	AUDIOVISUAL OVERALL PLAN - LEVEL 2					X			
TA103	AUDIOVISUAL OVERALL PLAN - LEVEL 3					X			
TA104	AUDIOVISUAL OVERALL PLAN - ROOF					X			
TA201	AUDIOVISUAL OVERAL RCP - LEVEL 1					X			
TA202	AUDIOVISUAL OVERAL RCP - LEVEL 2					X			
TA203	AUDIOVISUAL OVERALL RCP - LEVEL 3					X			
TA301	AUDIOVISUAL ENLARGED PLANS - LEVEL 1					X			

Not For Bid

TA302	AUDIOVISUAL ENLARGED PLANS - LEVEL 2					X			
TA303	AUDIOVISUAL ENLARGED PLANS - SEMINAR					X			
TA304	AUDIOVISUAL ENLARGED PLANS - COURTROOM					X			
TA305	AUDIOVISUAL ENLARGED PLANS - LEVEL 3					X			
TY000	SECURITY LEGEND					X			
TY100	SECURITY OVERALL PLAN - TUNNEL					X			
TY101	SECURITY OVERALL PLAN - LEVEL 1					X			
TY102	SECURITY OVERALL PLAN - LEVEL 2					X			
TY103	SECURITY OVERALL PLAN - LEVEL 3					X			
TY104	SECURITY OVERALL PLAN - ROOF					X			
TY501	SECURITY DETAILS					X			
TY502	SECURITY DETAILS					X			

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SECTION 00 11 16

INVITATION TO BID

Sealed bids for OMB/DFM Contract No. MJ0217000003-BP4A, will be received by the State of Delaware, Office of Management and Budget, Division of Facilities Management, at 122 Martin Luther King Jr. S, Dover, Delaware 19901 until 1:30 PM local time on June 25, **2025**, at which time they will be publicly opened and read aloud in the Conference Room. Bidder bears the risk of late delivery. Any bids received after the stated time will be returned unopened.

- 4A-01: Miscellaneous Metals, Stairs, and Rails
- 4A-02: Carpentry and General Works
- 4A-03: Curtain Wall/Glazing/Storefronts
- 4A-04: Roller Window Shades
- 4A-05: Custom Millwork
- 4A-06: Manufactured Casework
- 4A-07: Testing, Adjusting, and Balancing

A **MANDATORY** Pre-Bid Meeting will be held on June 4 **2025**, at **2:00 PM** at **EDiS Office 110 S Poplar St Suite 400, Wilmington, DE 19801**, for the purpose of establishing the listing of subcontractors and to answer questions. Representatives of each party to any Joint Venture must attend this meeting. **ATTENDANCE OF THIS MEETING IS A PREREQUISITE FOR BIDDING ON THIS CONTRACT IF BIDDER DID NOT ATTEND INITIAL PREBID MEETING ON 4 FEBRUARY 2025.**

Sealed bids shall be addressed to the Division of Facilities Management, 122 Martin Luther King Jr. Blvd S. Dover, Delaware, 19901. The outer envelope should clearly indicate: "**OMB/DFM CONTRACT NO. MJ0217000003-BP4A CUSTOMS HOUSE RENOVATION AND ADDITION BID PACK 4A – THE CONTRACT NUMBER YOU ARE BIDDING - SEALED BID - DO NOT OPEN**".

Bid documents will be available on the EDiS FTP site. In order to obtain access to biddable documents on the EDiS FTP site, bidders must download and complete the Plans Request form from <http://bids.delaware.gov>, and submit to: planrequests@delaware.gov for approval. Once the plans request is approved and you want to receive the biddable plans submit your request for access to the FTP site via email to Mary Tickle at mtickle@ediscompany.com. Your request should include the following information: your company name, contact name, contracts you are bidding, email address, and phone number. Please contact EDiS Company, Shawn David at 302-553-1227 or sdavid@ediscompany.com with questions.

Bidders will not be subject to discrimination on the basis of race, creed, color, sex, sexual orientation, gender identity or national origin in consideration of this award, and Minority Business Enterprises, Disadvantaged Business Enterprises, Women-Owned Business Enterprises and Veteran-Owned Business Enterprises will be afforded full opportunity to submit bids on this contract. Each bid must be accompanied by a bid security equivalent to ten percent of the bid amount and all additive alternates. The successful bidder must post a performance bond and payment bond in a sum equal to 100 percent of the contract price upon execution of the contract. The Owner reserves the right to reject any or all bids and to waive any informalities therein. The Owner may extend the time and place for the opening of the bids from that described in the advertisement, with not less than two calendar days' notice by certified delivery, facsimile machine or other electronic means to those bidders receiving plans.

END OF SECTION

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Not For Bid

SECTION 00 21 13
INSTRUCTIONS TO BIDDERS

TABLE OF ARTICLES

1. GENERAL
2. BIDDER'S REPRESENTATION
3. BIDDING DOCUMENTS
4. BIDDING PROCEDURES
5. CONSIDERATION OF BIDS
6. POST-BID INFORMATION
7. PERFORMANCE BOND AND PAYMENT BOND
8. FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

Not For Bid

ARTICLE 1: GENERAL

1.1 DEFINITIONS

1.1.1 Whenever the following terms are used, their intent and meaning shall be interpreted as follows:

1.2 STATE: The State of Delaware.

1.3 AGENCY: Contracting State Agency as noted on cover sheet.

1.4 DESIGNATED OFFICIAL: The agent authorized to act for the Agency.

1.5 BIDDING DOCUMENTS: Bidding Documents include the Bidding Requirements and the proposed Contract Documents. The Bidding Requirements consist of the Advertisement for Bid, Invitation to Bid, Instructions to Bidders, Supplementary Instructions to Bidders (if any), General Conditions, Supplementary General Conditions, General Requirements, Special Provisions (if any), the Bid Form (including the Non-collusion Statement), and other sample bidding and contract forms. The proposed Contract Documents consist of the form of Agreement between the Owner and Contractor, as well as the Drawings, Specifications (Project Manual) and all Addenda issued prior to execution of the Contract.

1.6 CONTRACT DOCUMENTS: The Contract Documents consist of the, Instructions to Bidders, Supplementary Instructions to Bidders (if any), General Conditions, Supplementary General Conditions, General Requirements, Special Provisions (if any), the form of agreement between the Owner and the Contractor, Drawings (if any), Specifications (Project Manual), and all addenda.

1.7 AGREEMENT: The form of the Agreement shall be AIA Document A101, Standard Form of Agreement between Owner and Contractor where the basis of payment is a STIPULATED SUM. In the case of conflict between the instructions contained therein and the General Requirements herein, these General Requirements shall prevail.

1.8 GENERAL REQUIREMENTS (or CONDITIONS): General Requirements (or conditions) are instructions pertaining to the Bidding Documents and to contracts in general. They contain, in summary, requirements of laws of the State; policies of the Agency and instructions to bidders.

1.9 SPECIAL PROVISIONS: Special Provisions are specific conditions or requirements peculiar to the bidding documents and to the contract under consideration and are supplemental to the General Requirements. Should the Special Provisions conflict with the General Requirements, the Special Provisions shall prevail.

1.10 ADDENDA: Written or graphic instruments issued by the Owner/Architect prior to the execution of the contract which modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections.

1.11 BIDDER OR VENDOR: A person or entity who formally submits a Bid for the material or Work contemplated, acting directly or through a duly authorized representative who meets the requirements set forth in the Bidding Documents.

1.12 SUB-BIDDER: A person or entity who submits a Bid to a Bidder for materials or labor, or both for a portion of the Work.

1.13 BID: A complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Bidding Documents.

Not For Bid

- 1.14 BASE BID: The sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents as the base, to which Work may be added or from which Work may be deleted for sums stated in Alternate Bids (if any are required to be stated in the bid).
- 1.15 ALTERNATE BID (or ALTERNATE): An amount stated in the Bid, where applicable, to be added to or deducted from the amount of the Base Bid if the corresponding change in the Work, as described in the Bidding Documents is accepted.
- 1.16 UNIT PRICE: An amount stated in the Bid, where applicable, as a price per unit of measurement for materials, equipment or services or a portion of the Work as described in the Bidding Documents.
- 1.17 SURETY: The corporate body which is bound with and for the Contract, or which is liable, and which engages to be responsible for the Contractor's payments of all debts pertaining to and for his acceptable performance of the Work for which he has contracted.
- 1.18 BIDDER'S DEPOSIT: The security designated in the Bid to be furnished by the Bidder as a guaranty of good faith to enter into a contract with the Agency if the Work to be performed or the material or equipment to be furnished is awarded to him.
- 1.19 CONTRACT: The written agreement covering the furnishing and delivery of material or work to be performed.
- 1.20 CONTRACTOR: Any individual, firm or corporation with whom a contract is made by the Agency.
- 1.21 SUBCONTRACTOR: An individual, partnership or corporation which has a direct contract with a contractor to furnish labor and materials at the job site, or to perform construction labor and furnish material in connection with such labor at the job site.
- 1.22 CONTRACT BOND: The approved form of security furnished by the contractor and his surety as a guaranty of good faith on the part of the contractor to execute the work in accordance with the terms of the contract.
- 1.23 CUSTOM FABRICATION: As defined in 29 Del. C. § 6902, the term "custom fabrication" means the offsite fabrication, assembly, or other production of non-standard goods or materials, including components, fixtures or parts thereof, specifically for a public works project. Such goods and materials shall include those used in the following trades or systems: (1) Plumbing or pipe fitting systems, including heating, ventilating, air-conditioning, refrigeration systems, sheet metal or other duct systems; (2) Electrical systems; (3) Mechanical insulation work; (4) Ornamental iron work; and (5) Commercial signage that does not attempt or appear to direct the movement of traffic on highways or roadways or interfere with, imitate, or resemble any official traffic sign, signal or device.

ARTICLE 2: BIDDER'S REPRESENTATION

2.1 PRE-BID MEETING

2.1.1 A pre-bid meeting for this project will be held at the time and place designated. Attendance at this meeting is a pre-requisite for submitting a Bid, unless this requirement is specifically waived elsewhere in the Bid Documents.

2.2 By submitting a Bid, the Bidder represents that:

2.2.1 The Bidder has read and understands the Bidding Documents and that the Bid is made in accordance therewith.

2.2.2 The Bidder has visited the site, become familiar with existing conditions under which the Work is to be performed, and has correlated the Bidder's personal observations with the requirements of the proposed Contract Documents.

2.2.3 The Bid is based upon the materials, equipment, and systems required by the Bidding Documents without exception.

2.3 JOINT VENTURE REQUIREMENTS

2.3.1 For Public Works Contracts, each Joint Venturer shall be qualified and capable to complete the Work with their own forces.

2.3.2 Included with the Bid submission, and as a requirement to bid, a copy of the executed Joint Venture Agreement shall be submitted and signed by all Joint Venturers involved.

2.3.3 All required Bid Bonds, Performance Bonds, Material and Labor Payment Bonds must be executed by both Joint Venturers and be placed in both of their names.

2.3.4 All required insurance certificates shall name both Joint Venturers.

2.3.5 Both Joint Venturers shall sign the Bid Form.

2.3.6 Both Joint Venturers shall include their Federal E.I. Number with the Bid.

2.3.7 In the event of a mandatory Pre-bid Meeting, each Joint Venturer shall have a representative in attendance.

2.3.8 Due to exceptional circumstances and for good cause shown, one or more of these provisions may be waived at the discretion of the State.

2.4 ASSIGNMENT OF ANTITRUST CLAIMS

2.4.1 As consideration for the award and execution by the Owner of this contract, the Contractor hereby grants, conveys, sells, assigns and transfers to the State of Delaware all of its right, title and interests in and to all known or unknown causes of action it presently has or may now or hereafter acquire under the antitrust laws of the United States and the State of Delaware, relating to the particular goods or services purchased or acquired by the Owner pursuant to this contract.

ARTICLE 3: BIDDING DOCUMENTS

3.1 COPIES OF BID DOCUMENTS

3.1.1 Bidders may obtain complete sets of the Bidding Documents from the Architectural/Engineering firm designated in the Advertisement or Invitation to Bid in the number and for the deposit sum, if any, stated therein.

3.1.2 Bidders shall use complete sets of Bidding Documents for preparation of Bids. The issuing Agency nor the Architect assumes no responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

3.1.3 Any errors, inconsistencies or omissions discovered shall be reported to the Architect immediately.

Not For Bid

3.1.4 The Agency and Architect may make copies of the Bidding Documents available on the above terms for the purpose of obtaining Bids on the Work. No license or grant of use is conferred by issuance of copies of the Bidding Documents.

3.2 INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS

3.2.1 The Bidder shall carefully study and compare the Bidding Documents with each other, and with other work being bid concurrently or presently under construction to the extent that it relates to the Work for which the Bid is submitted, shall examine the site and local conditions, and shall report any errors, inconsistencies, or ambiguities discovered to the Architect.

3.2.2 Bidders or Sub-bidders requiring clarification or interpretation of the Bidding Documents shall make a written request to the Architect at least seven days prior to the date for receipt of Bids. Interpretations, corrections and changes to the Bidding Documents will be made by written Addendum. Interpretations, corrections, or changes to the Bidding Documents made in any other manner shall not be binding.

3.2.3 The apparent silence of the specifications as to any detail, or the apparent omission from it of detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail and only material and workmanship of the first quality are to be used. Proof of specification compliance will be the responsibility of the Bidder.

3.2.4 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for all permits, labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of the Work.

3.2.5 The Owner will bear the costs for all impact and user fees associated with the project.

3.3 SUBSTITUTIONS

3.3.1 The materials, products and equipment described in the Bidding Documents establish a standard of quality, required function, dimension, and appearance to be met by any proposed substitution. The specification of a particular manufacturer or model number is not intended to be proprietary in any way. Substitutions of products for those named will be considered, providing that the Vendor certifies that the function, quality, and performance characteristics of the material offered is equal or superior to that specified. It shall be the Bidder's responsibility to assure that the proposed substitution will not affect the intent of the design, and to make any installation modifications required to accommodate the substitution.

3.3.2 Requests for substitutions shall be made in writing to the Architect at least ten days prior to the date of the Bid Opening. Such requests shall include a complete description of the proposed substitution, drawings, performance and test data, explanation of required installation modifications due the substitution, and any other information necessary for an evaluation. The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval shall be final. The Architect is to notify Owner prior to any approvals.

3.3.3 If the Architect approves a substitution prior to the receipt of Bids, such approval shall be set forth in an Addendum. Approvals made in any other manner shall not be binding.

3.3.4 The Architect shall have no obligation to consider any substitutions after the Contract award.

3.4 ADDENDA

Not For Bid

- 3.4.1 Addenda will be mailed or delivered to all who are known by the Architect to have received a complete set of the Bidding Documents.
- 3.4.2 Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.
- 3.4.3 No Addenda will be issued later than 2 calendar days prior to the date for receipt of Bids except an Addendum withdrawing the request for Bids or one which extends the time or changes the location for the opening of bids.
- 3.4.4 Each bidder shall ascertain prior to submitting his Bid that they have received all Addenda issued, and shall acknowledge their receipt in their Bid in the appropriate space. Not acknowledging an issued Addenda could be grounds for determining a bid to be non-responsive.

ARTICLE 4: BIDDING PROCEDURES

4.1 PREPARATION OF BIDS

- 4.1.1 Submit the bids on the Bid Forms included with the Bidding Documents.
- 4.1.2 Submit the original Bid Form for each bid. Bid Forms may be removed from the project manual for this purpose.
- 4.1.3 Execute all blanks on the Bid Form in a non-erasable medium (typewriter or manually in ink).
- 4.1.4 Where so indicated by the makeup on the Bid Form, express sums in both words and figures, in case of discrepancy between the two, the written amount shall govern.
- 4.1.5 Interlineations, alterations or erasures must be initialed by the signer of the Bid.
- 4.1.6 BID ALL REQUESTED ALTERNATES AND UNIT PRICES, IF ANY. If there is no change in the Base Bid for an Alternate, enter "No Change". The Contractor is responsible for verifying that they have received all addenda issued during the bidding period. Work required by Addenda shall automatically become part of the Contract.
- 4.1.7 Make no additional stipulations on the Bid Form and do not qualify the Bid in any other manner.
- 4.1.8 Each copy of the Bid shall include the legal name of the Bidder and a statement whether the Bidder is a sole proprietor, a partnership, a corporation, or any legal entity, and each copy shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further give the state of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current Power of Attorney attached, certifying agent's authority to bind the Bidder.
- 4.1.9 Bidder shall complete the Non-Collusion Statement form included with the Bid Forms and include it with their Bid.
- 4.1.10 In the construction of all Public Works projects for the State of Delaware or any agency thereof, preference in employment of laborers, workers or mechanics shall be given to bona fide legal citizens of the State who have established citizenship by residence of at least 90 days in the State.
- 4.1.11 Each bidder shall include a signed Affidavit for the Bidder certifying compliance with OMB Regulation 4104 - "Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on "Large Public Works Projects." "Large Public Works" is based upon

the current threshold required for bidding Public Works as set by the Purchasing and Contracting Advisory Council.

4.2 BID SECURITY

4.2.1 All bids shall be accompanied by a deposit of either a good and sufficient bond to the agency for the benefit of the agency, with corporate surety authorized to do business in this State, the form of the bond and the surety to be approved by the agency, or a security of the bidder assigned to the agency, for a sum equal to at least 10% of the bid plus all add alternates, or in lieu of the bid bond a security deposit in the form of a certified check, bank treasurer's check, cashier's check, money order, or other prior approved secured deposit assigned to the State. The bid bond need not be for a specific sum, but may be stated to be for a sum equal to 10% of the bid plus all add alternates to which it relates and not to exceed a certain stated sum, if said sum is equal to at least 10% of the bid. The Bid Bond form used shall be the standard OMB form (attached).

4.2.2 The Agency has the right to retain the bid security of Bidders to whom an award is being considered until either a formal contract has been executed and bonds have been furnished or the specified time has elapsed so the Bids may be withdrawn or all Bids have been rejected.

4.2.3 In the event of any successful Bidder refusing or neglecting to execute a formal contract and bond within 20 days of the awarding of the contract, the bid bond or security deposited by the successful bidder shall be forfeited.

4.3 SUBCONTRACTOR LIST

4.3.1 In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, each Bidder shall submit with their Bid a completed List of Sub-Contractors included with the Bid Form. **NAME ONLY ONE SUBCONTRACTOR FOR EACH TRADE.** The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the Bidder will be using to perform the work and provide material for that subcontractor category. Should the Bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the Bidder shall list that third-tier contractor's full name and address (City & State). **If the Bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the Bidder intends to perform the work themselves, the Bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

4.3.2 It is the responsibility of the Contractor to ensure that their Subcontractors are in compliance with the provisions of this law. Also, if a Contractor elects to list themselves as a Subcontractor for any category, they must specifically name themselves on the Bid Form and be able to document their capability to act as Subcontractor in that category in accordance with this law.

4.4 AFFIDAVIT OF CONTRACTOR QUALIFICATIONS

4.4.1 In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, each Bidder shall submit with their Bid the Affidavit of Contractor Qualifications certifying that the Bidder will abide by the contractor's qualifications outlined in the construction bid

specifications for the duration of the contract term. After a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

4.5 AFFIDAVIT OF CRAFT TRAINING COMPLIANCE

4.5.1 In accordance with Title 29, Chapter 69, Section 6962(c)(13) of the Delaware Code, contractors and subcontractors must provide craft training for journeyman and apprentice levels if **all** of the following apply:

- A. A project meets the prevailing wage requirement under Title 29, Chapter 69, Section 6960 of the Delaware Code.
- B. The contractor employs 10 or more total employees.
- C. The project is not a federal highway project

Failure to provide required craft training on the project may subject the successful contractor and/or subcontractor(s) to penalties as outlined in Title 29, Chapter 69, Section 6962(c)(13) of the Delaware Code.

Bidders shall submit the Affidavit of Craft Training Compliance prior to contract execution.

4.6 EQUALITY OF EMPLOYMENT OPPORTUNITY ON PUBLIC WORKS

4.6.1 During the performance of this contract, the contractor agrees as follows:

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, sex, color, sexual orientation, gender identity or national origin. The Contractor will take affirmative action to ensure the applicants are employed, and that employees are treated during employment, without regard to their race, creed, sex, color, sexual orientation, gender identity or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places available to employees and applicants for employment notices to be provided by the contracting agency setting forth this nondiscrimination clause.
- B. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, sex, color, sexual orientation, gender identity or national origin."

4.7 PREVAILING WAGE REQUIREMENT

4.7.1 Wage Provisions: For renovation and new construction projects whose costs exceed the thresholds contained in Delaware Code, Title 29, Section 6960, the minimum wage rates for various classes of laborers and mechanics shall be as determined by the Department of Labor, Division of Industrial Affairs of the State of Delaware.

4.7.2 The employer shall pay all mechanics and labors employed directly upon the site of work, or engaged in custom fabrication work, as that term is defined in Article 1.23 herein and as also as defined in 29 Del. C § 6902 and described in 29 Del. C. § 6960(b), regardless of where the work is performed, unconditionally and not less often than once a week and without subsequent deduction or rebate on any account, the full amounts accrued at time of

Not For Bid

payment, computed at wage rates not less than those stated in the specifications, regardless of any contractual relationship which may be alleged to exist between the employer and such laborers and mechanics.

4.7.3 As per 29 Del. C. § 6960(b), the scale of the wages to be paid must be posted by the employer in a prominent and easily accessible place at the site of the work. There may be withheld from the employer so much of accrued payments as may be considered necessary by the Department of Labor to pay laborers and mechanics employed by the employer the difference between the rates of wages required by the contract to be paid laborers and mechanics on the work and rates of wages received by such laborers and mechanics to be remitted to the Department of Labor for distribution upon resolution of any claims.

4.7.4 Every contract based upon these specifications shall contain a stipulation that sworn payroll information, as required by the Department of Labor, be furnished weekly. The Department of Labor shall keep and maintain the sworn payroll information for a period of 6 months from the last day of the work week covered by the payroll.

4.8 SUBMISSION OF BIDS

4.8.1 Enclose the Bid, the Bid Security, and any other documents required to be submitted with the Bid in a sealed opaque envelope. Address the envelope to the party receiving the Bids. Identify with the project name, project number, and the Bidder's name and address. If the Bid is sent by mail, enclose the sealed envelope in a separate mailing envelope with the notation "BID ENCLOSED" on the face thereof. The State is not responsible for the opening of bids prior to bid opening date and time that are not properly marked.

4.8.2 Deposit Bids at the designated location prior to the time and date for receipt of bids indicated in the Advertisement for Bids. Bids received after the time and date for receipt of bids will be marked "LATE BID" and returned.

4.8.3 Bidder assumes full responsibility for timely delivery at location designated for receipt of bids.

4.8.4 Oral, telephonic or telegraphic bids are invalid and will not receive consideration.

4.8.5 Withdrawn Bids may be resubmitted up to the date and time designated for the receipt of Bids, provided that they are then fully in compliance with these Instructions to Bidders.

4.9 MODIFICATION OR WITHDRAW OF BIDS

4.9.1 Prior to the closing date for receipt of Bids, a Bidder may withdraw a Bid by personal request and by showing proper identification to the Architect. A request for withdraw by letter or fax, if the Architect is notified in writing prior to receipt of fax, is acceptable. A fax directing a modification in the bid price will render the Bid informal, causing it to be ineligible for consideration of award. Telephone directives for modification of the bid price shall not be permitted and will have no bearing on the submitted proposal in any manner.

4.9.2 Bidders submitting Bids that are late shall be notified as soon as practicable and the bid shall be returned.

4.9.3 A Bid may not be modified, withdrawn or canceled by the Bidder during a thirty (30) day period following the time and date designated for the receipt and opening of Bids, and Bidder so agrees in submitting their Bid. Bids shall be binding for 30 days after the date of the Bid opening.

ARTICLE 5: CONSIDERATION OF BIDS

Not For Bid

5.1 OPENING/REJECTION OF BIDS

- 5.1.1 Unless otherwise stated, Bids received on time will be publicly opened and will be read aloud. An abstract of the Bids will be made available to Bidders.
- 5.1.2 The Agency shall have the right to reject any and all Bids. A Bid not accompanied by a required Bid Security or by other data required by the Bidding Documents, or a Bid which is in any way incomplete or irregular is subject to rejection.
- 5.1.3 If the Bids are rejected, it will be done within thirty (30) calendar day of the Bid opening.

5.2 COMPARISON OF BIDS

- 5.2.1 After the Bids have been opened and read, the bid prices will be compared and the result of such comparisons will be made available to the public. Comparisons of the Bids may be based on the Base Bid plus desired Alternates. The Agency shall have the right to accept Alternates in any order or combination.
- 5.2.2 The Agency reserves the right to waive technicalities, to reject any or all Bids, or any portion thereof, to advertise for new Bids, to proceed to do the Work otherwise, or to abandon the Work, if in the judgment of the Agency or its agent(s), it is in the best interest of the State.
- 5.2.3 An increase or decrease in the quantity for any item is not sufficient grounds for an increase or decrease in the Unit Price.
- 5.2.4 The prices quoted are to be those for which the material will be furnished F.O.B. Job Site and include all charges that may be imposed during the period of the Contract.
- 5.2.5 No qualifying letter or statements in or attached to the Bid, or separate discounts will be considered in determining the low Bid except as may be otherwise herein noted. Cash or separate discounts should be computed and incorporated into Unit Bid Price(s).

5.3 DISQUALIFICATION OF BIDDERS

- 5.3.1 An agency shall determine that each Bidder on any Public Works Contract is responsible before awarding the Contract. Factors to be considered in determining the responsibility of a Bidder include:
- A. The Bidder's financial, physical, personnel or other resources including Subcontracts;
 - B. The Bidder's record of performance on past public or private construction projects, including, but not limited to, defaults and/or final adjudication or admission of violations of the Prevailing Wage Laws in Delaware or any other state;
 - C. The Bidder's written safety plan;
 - D. Whether the Bidder is qualified legally to contract with the State;
 - E. Whether the Bidder supplied all necessary information concerning its responsibility; and,
 - F. Any other specific criteria for a particular procurement, which an agency may establish; provided however, that, the criteria be set forth in the Invitation to Bid and is otherwise in conformity with State and/or Federal law.

Not For Bid

- 5.3.2 If an agency determines that a Bidder is nonresponsive and/or nonresponsible, the determination shall be in writing and set forth the basis for the determination. A copy of the determination shall be sent to the affected Bidder within five (5) working days of said determination.
- 5.3.3 In addition, any one or more of the following causes may be considered as sufficient for the disqualification of a Bidder and the rejection of their Bid or Bids.
- 5.3.3.1 More than one Bid for the same Contract from an individual, firm or corporation under the same or different names.
- 5.3.3.2 Evidence of collusion among Bidders.
- 5.3.3.3 Unsatisfactory performance record as evidenced by past experience.
- 5.3.3.4 If the Unit Prices are obviously unbalanced either in excess or below reasonable cost analysis values.
- 5.3.3.5 If there are any unauthorized additions, interlineation, conditional or alternate bids or irregularities of any kind which may tend to make the Bid incomplete, indefinite or ambiguous as to its meaning.
- 5.3.3.6 If the Bid is not accompanied by the required Bid Security and other data required by the Bidding Documents.
- 5.3.3.7 If any exceptions or qualifications of the Bid are noted on the Bid Form.
- 5.4 ACCEPTANCE OF BID AND AWARD OF CONTRACT
- 5.4.1 A formal Contract shall be executed with the successful Bidder within twenty (20) calendar days after the award of the Contract.
- 5.4.2 Per Section 6962(d)(13)a., Title 29, Delaware Code, "The contracting agency shall award any public works contract within thirty (30) days of the bid opening to the lowest responsive and responsible Bidder, unless the Agency elects to award on the basis of best value, in which case the election to award on the basis of best value shall be stated in the Invitation To Bid. Any public school district and its board shall award public works contracts in accordance with this section's requirements except it shall award the contract within 60 days of the bid opening."
- 5.4.3 Each Bid on any Public Works Contract must be deemed responsive by the Agency to be considered for award. A responsive Bid shall conform in all material respects to the requirements and criteria set forth in the Contract Documents and specifications.
- 5.4.4 The Agency shall have the right to accept Alternates in any order or combination, and to determine the low Bidder on the basis of the sum of the Base Bid, plus accepted Alternates.
- 5.4.5 The successful Bidder shall execute a formal contract, submit the required Insurance Certificate, and furnish good and sufficient bonds, unless specifically waived in the General Requirements, in accordance with the General Requirement, within twenty (20) days of official notice of contract award. The successful Bidder shall provide, at least two business days prior to contract execution, copies of the Employee Drug Testing Program for the Bidder and all listed Subcontractors. Bonds shall be for the benefit of the Agency with surety in the amount of 100% of the total contract award. Said Bonds shall be conditioned upon the faithful performance of the contract. Bonds shall remain in affect for period of two (2) years after the date of the Certificate of Final Payment.

- 5.4.6 If the successful Bidder fails to execute the required Contract, Bond and all required information, as aforesaid, within twenty (20) calendar days after the date of official Notice of the Award of the Contract, their Bid guaranty shall immediately be taken and become the property of the State for the benefit of the Agency as liquidated damages, and not as a forfeiture or as a penalty. Award will then be made to the next lowest qualified Bidder of the Work or readvertised, as the Agency may decide.
- 5.4.7 Each bidder shall supply with its bid its taxpayer identification number (i.e., federal employer identification number or social security number) and should the vendor be awarded a contract, such vendor shall provide to the agency the taxpayer identification license numbers of such subcontractors. Such numbers shall be provided on the later of the date on which such subcontractor is required to be identified or the time the contract is executed. The successful Bidder shall provide to the agency to which it is contracting, within 30 days of entering into such public works contract, copies of all Delaware Business licenses of subcontractors and/or independent contractors that will perform work for such public works contract. However, if a subcontractor or independent contractor is hired or contracted more than 20 days after the Bidder entered the public works contract the Delaware Business license of such subcontractor or independent contractor shall be provided to the agency within 10 days of being contracted or hired.
- 5.4.8 The Bid Security shall be returned to the successful Bidder upon the execution of the formal contract. The Bid Securities of unsuccessful bidders shall be returned within thirty (30) calendar days after the opening of the Bids.

ARTICLE 6: POST-BID INFORMATION

- 6.1 CONTRACTOR'S QUALIFICATION STATEMENT
- 6.1.1 Bidders to whom an award of a Contract is under consideration shall, if requested by the Agency, submit a properly executed AIA Document A305, Contractor's Qualification Statement, unless such a statement has been previously required and submitted.
- 6.2 Bidders to whom an award of a Contract has been made must produce their Delaware Business License before the Contract can be executed.

ARTICLE 7: PERFORMANCE BOND AND PAYMENT BOND

- 7.1 BOND REQUIREMENTS
- 7.1.1 The cost of furnishing the required Bonds, that are stipulated in the Bidding Documents, shall be included in the Bid.
- 7.1.2 If the Bidder is required by the Agency to secure a bond from other than the Bidder's usual sources, changes in cost will be adjusted as provide in the Contract Documents.
- 7.1.3 The Performance and Payment Bond forms used shall be the standard OMB forms (attached).
- 7.2 TIME OF DELIVERY AND FORM OF BONDS
- 7.2.1 The bonds shall be dated on or after the date of the Contract.
- 7.2.2 The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix a certified and current copy of the power of attorney.

ARTICLE 8: FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

Not For Bid

- 8.1 Unless otherwise required in the Bidding Documents, the Agreement for the Work will be written on AIA Document A101, Standard Form of Agreement Between Owner and Contractor Where the Basis of Payment is a Stipulated Sum.

END OF SECTION

Not For Bid

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Not For Bid

SECTION 00 31 24

ENVIRONMENTAL AND EXISTING CONDITIONS INFORMATION

1.1 ENVIRONMENTAL NARRATIVE

- A. This Document with its referenced attachments is part of the environmental and brownfield investigation Information provided by the Civil Engineer.

1.2 ASBESTOS AND LEAD REPORT

- A. This Document includes the Asbestos and Lead Report performed for and coordinated by the Civil Engineer.

1.3 FLOW TEST

- A. This Document includes the hydrant flow test performed for the existing building and site.

END OF SECTION

Not For Bid

Custom House Site Environmental Narrative

Verdantas has completed a Brownfield Investigation (BFI) of the site and has completed a Supplemental Delineation sampling event for soil vapor exceedances reported in the on-site parking lot. Both reports have been submitted to DNREC for review and we are awaiting their comments. Once the reports receive final approval we will assist DNREC in developing and publishing a Proposed Plan of Remedial Action (PPRA) outlining the remedial actions required to be implemented at the site.

During completion of the BFI, shallow soil (0-2 feet below ground surface (bgs)) and deep soil (greater than 2 feet bgs) were found to contain metals and semi-volatile organic compounds (SVOCs) at concentrations exceeding DNREC Screening Levels. Additionally, during the BFI and the Supplemental Delineation sampling event, concentrations of volatile organic compounds (VOCs), specifically dichlorodifluoromethane and tetrachloroethene (PCE), exceeding DNREC Screening Levels were found in soil vapor points located within and along the periphery of the on-site parking lot.

Based on the findings of the BFI and Supplemental Delineation, we anticipate that DNREC will require the following remedial actions when a PPRA is developed:

- **Soil Management & Off-Site Disposal** – Soils present at the site pose an unacceptable cancer risk under a residential use scenario. Therefore, any soil excavated during site construction activities that cannot remain on-site will need to be transported to a DNREC approved facility (e.g. CleanEarth) for disposal. This would include soils generated from excavation of foundations, utilities, rammed aggregate piers, etc.

Verdantas personnel will provide HSCA oversight and reporting services related to soil management during site construction. Verdantas will prepare a Remedial Action Work Plan (RAWP) that details how the required remedial actions at the site will be implemented, including soil excavation and disposal. DNREC will require that soil excavation, handling, transportation, and disposal be conducted in accordance with a Contaminated Materials Management Plan (CMMP), to be prepared by Verdantas. Due to the anticipated presence of construction debris within the fill material to be excavated, the soil will likely first need to be transported to an off-site location for staging and screening prior to transportation to the disposal facility, which will require coordination and approval from DNREC.

Soil characterization sampling will likely be required by the disposal facility prior to transportation of the soil for disposal. The analyses and rate of characterization sampling will depend on disposal facility requirements. Additionally, any fill material imported onto the site will need to be sampled in accordance with DNREC's Soil Reuse Policy, and approved by DNREC, prior to transportation onto the site.

Not For Bid

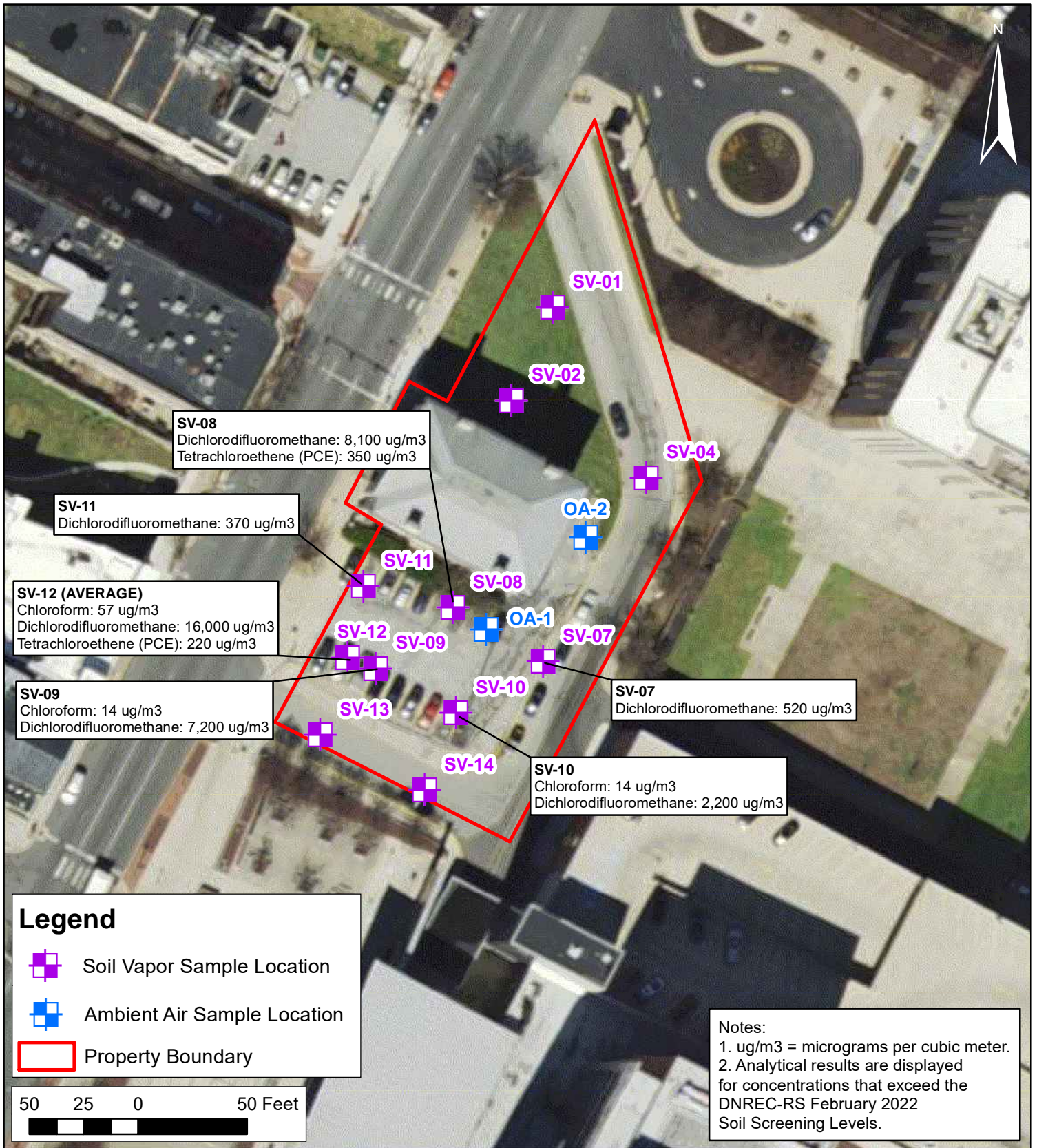
- **Soil Vapor Mitigation** – Due to the presence of VOCs in soil vapor within and surrounding the on-site parking lot and uncertainty regarding the off-site source location of the VOCs, DNREC will require that a vapor barrier and passive ventilation system (PVS) be installed in the location of any newly constructed buildings. The vapor barrier and PVS will need to be installed in accordance with DNREC's Vapor Intrusion Pathway Guidance, dated January 2023, and Vapor Barrier Design Checklist, dated June 2021.

Sub-slab soil gas and indoor air samples that have been collected from within the existing Customs House building have not identified a vapor intrusion issue, and therefore, retrofitting of the existing building may not be a requirement of DNREC in the PPRA. However, due to the uncertainty regarding the source of the exterior soil vapor exceedances and locations of proposed new structures, the client may consider proactively retrofitting the existing Customs House building with a vapor barrier and PVS.

- **Additional PPRA Requirements** – Several additional requirements, not specifically related to site construction will likely also be required in the PPRA including:
 - Placement of an Environmental Covenant to prohibit future residential use of the site;
 - Development and implementation of a Long-Term Stewardship Plan to monitor the effectiveness of the vapor barrier, PVS, and retrofit remedies which would involve quarterly to annual inspections and reporting to DNREC; and
 - Submission of a Remedial Action Completion Report and request for a Certification of Completion of Remedy.

See following pages with soil contamination exceedances.

Not For Bid



DATE: 10/2022
SCALE: AS SHOWN
PROJECT NO. 11506.EC
FIGURE 2

**ELEVATED SUBSTANCE CONCENTRATIONS:
SOIL VAPOR AND AMBIENT AIR SAMPLES**

**SUPPLEMENTAL DELINEATION
516 N. King Street & Alico Road Site
(DE-0371)**

WILMINGTON~NEW CASTLE COUNTY~DELAWARE

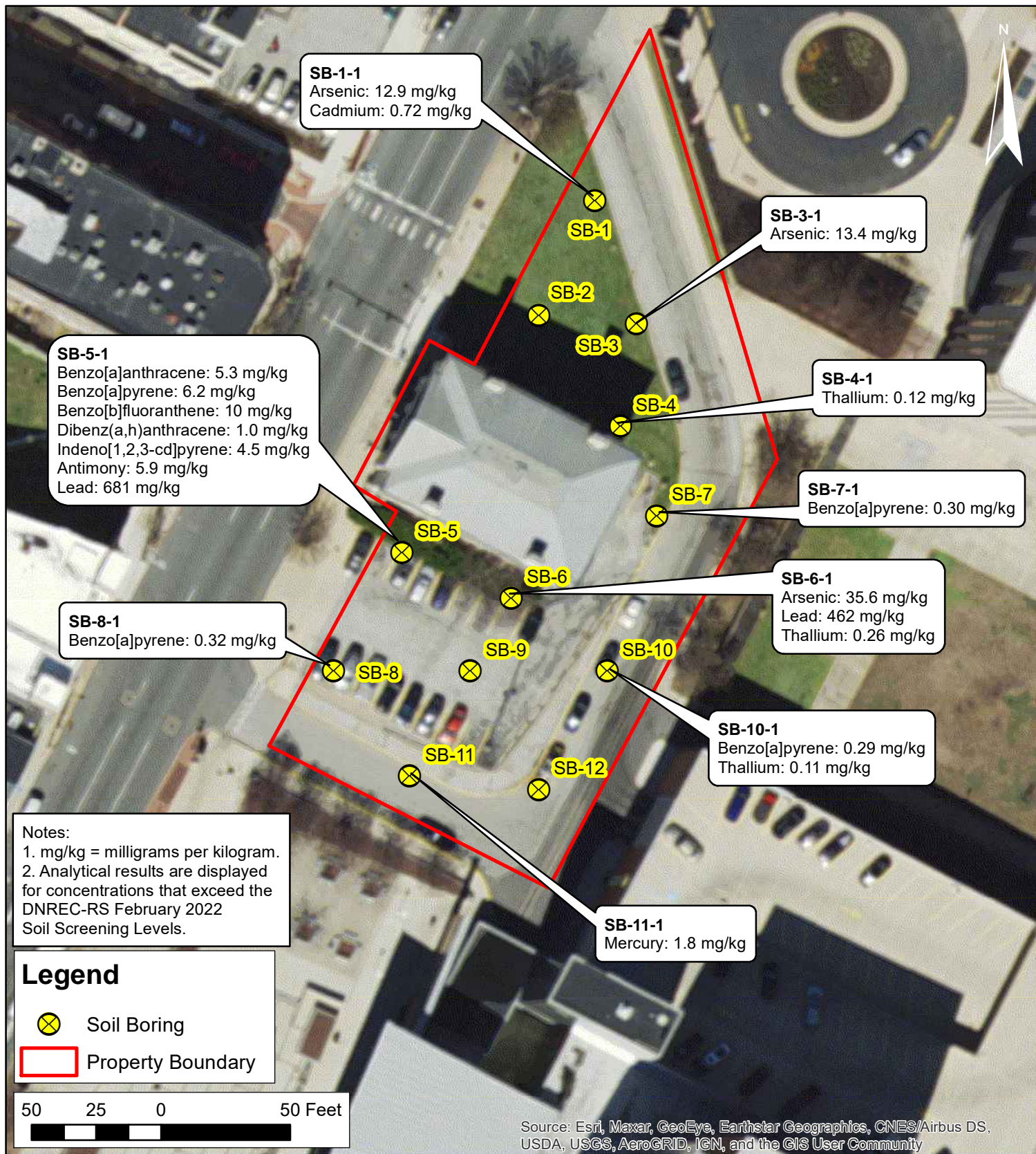
DESIGNED BY: KLS
DRAWN BY: KLS
CHECKED BY: RBS
FILE: 11506.EC.Supplemental_Delineation _Locations.mxd

DUFFIELD ASSOCIATES
Soil, Water & the Environment

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DATE: 04/2022
SCALE: AS SHOWN
PROJECT NO. 11506.EC
FIGURE 5

FIGURE 5: ELEVATED SUBSTANCE CONCENTRATIONS - SHALLOW SOIL

BROWNFIELD REMEDIAL INVESTIGATION

516 N. King Street & Alico Road Site (DE-0371)

WILMINGTON~NEW CASTLE COUNTY~DELAWARE

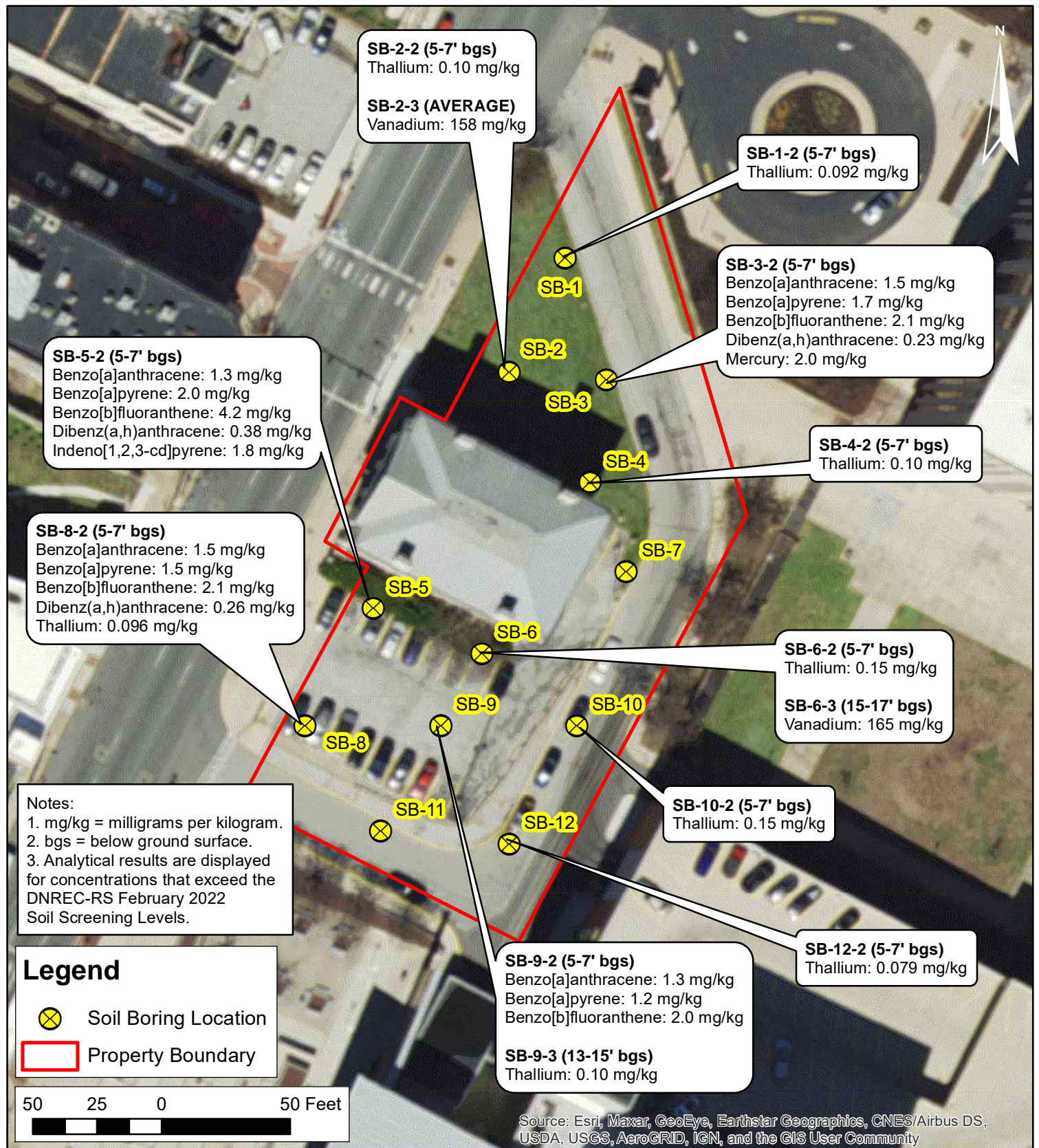
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DRAWN BY: KLS
CHECKED BY: RBS
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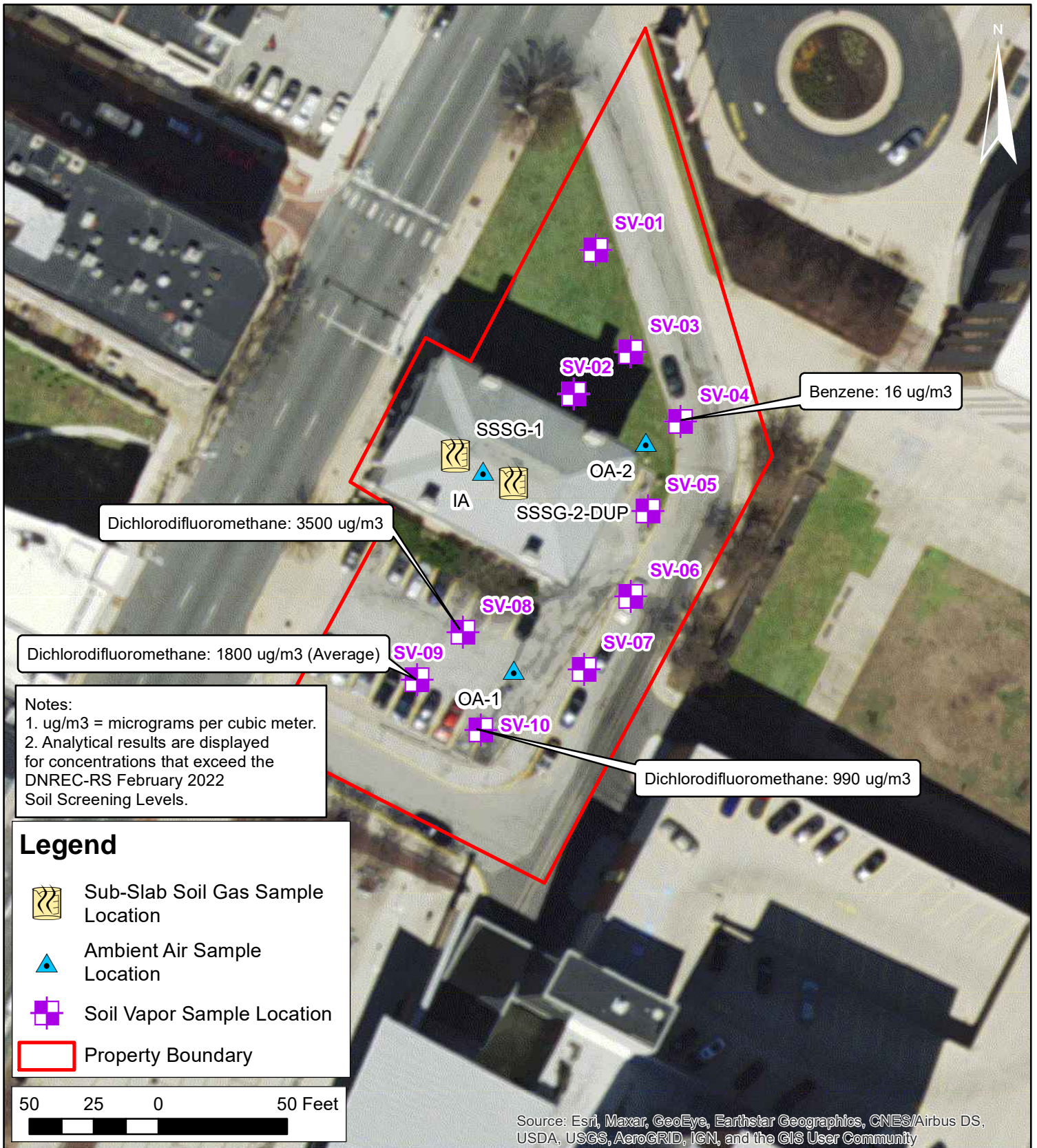
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DATE: 04/2022	<p align="center">FIGURE 6: ELEVATED SUBSTANCE CONCENTRATIONS - DEEP SOIL</p> <p align="center">BROWNFIELD REMEDIAL INVESTIGATION</p> <p align="center">516 N. King Street & Alico Road Site (DE-0371)</p> <p align="center">WILMINGTON~NEW CASTLE COUNTY~DELAWARE</p>	DESIGNED BY: KLS	 5400 LIMESTONE ROAD WILMINGTON, DE 19808-1232 TEL. (302)239-6634 FAX (302)239-8485 OFFICES IN PENNSYLVANIA, SOUTHERN DELAWARE, MARYLAND AND NEW JERSEY EMAIL: DUFFIELD@DUFFNET.COM
SCALE: AS SHOWN		DRAWN BY: KLS	
PROJECT NO. 11506.EC		CHECKED BY: RBS	
FIGURE 6		FILE: 11506.EC.Deep_Soil_Exceedances.mxd	



DATE: 04/2022
SCALE: AS SHOWN
PROJECT NO. 11506.EC
FIGURE 7

FIGURE 7: ELEVATED SUBSTANCE CONCENTRATIONS - SOIL VAPOR

BROWNFIELD REMEDIAL INVESTIGATION

516 N. King Street & Alico Road Site (DE-0371)

WILMINGTON~NEW CASTLE COUNTY~DELAWARE

DESIGNED BY: KLS
DRAWN BY: KLS
CHECKED BY: RBS
FILE: 11506.EC.SoilVapor_ Exceedances.mxd

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Soil, Water & the Environment

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Customs House
516 North King Street
Wilmington, DE


***Asbestos Inspection & Lead Paint Testing
For Renovations***

FINAL REPORT – 2/22/2023
Harvard Project # 23517

Prepared For: **Robert Smagala**
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Table Of Contents

Introductions & Executive Summary	3
Certifications & Accreditations	Appendix A
Schematic Diagrams/Sample Locations	Appendix B
Laboratory Analysis	Appendix C

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Introductions & Executive Summary

Harvard Environmental, Inc. herein presents data associated with inspections performed on the Customs House located at 516 North King Street, Wilmington, DE. This inspection was performed to provide compliance with 40 CFR Part 61, "Asbestos NESHAP. These Environmental Protection Agency, (EPA), regulations require inspections to be performed by certified asbestos building inspectors prior to renovations and/or demolition of facilities. This effort was performed at the request of Verdantas.

This project was performed to identify asbestos containing materials and lead painted surfaces that may be impacted during the demolition and renovation project. Harvard Environmental Inc assessed the impacted building materials which would be considered suspect asbestos containing. A listing of locations, systems and/or materials which were not assessed may be found under "Non-Assessed Conditions" found further in this report.

Harvard requested drawings of the existing facility layouts/designs to assist in documenting field assessments and to provide insight as to the location of suspect materials which may be associated with the facility. Floor plans of the facility were available. Available drawings were updated in the field with sample locations and updated on the CAD file.

The last day of visitation to the site was performed on 1/26/2023. Conditions described within this document are accurate as of the date of last visitation. Mr. Jeffrey Demicco was the responsible Harvard Environmental, Inc. employee which led the field efforts associated with the work.

Representative sampling of suspect asbestos building materials was performed on impacted building materials. The sampling effort was conducted in accordance with EPA regulations and industry accepted standards.

Asbestos analysis was completed utilizing Polarized Light Microscopy, (PLM). PLM utilizes an optical microscope equipped with a polarizing lens through which trained microscopist can identify asbestos fibers according to their crystalline structure. This method of analysis is recognized throughout the industry as standard practice. Prior to determining the type of fiber, the sample was placed under a "Stereo Microscope" at approximately 150X magnification for purposes of visual estimation. Various fiber types were pulled from the sample and oils applied to determine refractive indices under the polarized light microscope.

This recognized method of analysis has a detection limit of 1% by volume. Percentages of asbestos < 1% are reported as "trace" and are not considered asbestos containing materials under EPA regulations.

In order to best document the assessment, Harvard Environmental, Inc. assessed the layout and design of locations requiring assessment and assigned each geographic area a unique alpha/numeric "grid" identifier. These identifiers are specific locations of the assessment and are the basis for orientation of the data.

Based on the information provided to Harvard Environmental, Inc., coupled with field inspections and laboratory analysis of samples collected, **asbestos containing materials and lead painted surfaces are associated with the building.**

Provided is a summary listing of materials assessed under this inspection. The detailed inspection data is provided as appendices further in the report.

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Summary Of Materials Assessed

Asbestos-containing Materials

HA#	Material Description	Area(s)	Results Of Assessment	Quantity
013	Pipe Insulation	1.01, 1.04, 1.06 and 1.09	10% Chrysotile Asbestos	17 LF
020	Boiler Materials (Interior – No Access)	1.11	Presumed Asbestos	1 EA
024	Sink Undercoat	3.02	3% Chrysotile Asbestos	2 SF
029	Floor Sheeting Backing – NO MASTIC	3.02	10% Chrysotile Asbestos	45 SF
035	Roof Chimney Flashing (No Access)	Exterior Roof	Presumed Asbestos	10 SF

Materials Determined to None Detected via PLM & TEM Analysis

Material	Results Of Assessment
001 – Ceiling Plaster Understand	No Asbestos Detected
002 – Ceiling Plaster Finish	No Asbestos Detected
003 – Wall Plaster Undercoat	No Asbestos Detected
004 – Wall Plaster Finish	No Asbestos Detected
005 – Orange Flue at Penetration	No Asbestos Detected
006 – Residual 9x9 Floor Tile Mastic	No Asbestos Detected
007 – Drywall	No Asbestos Detected
008 – Joint Compound	No Asbestos Detected
009 – Cove Base – Black	No Asbestos Detected
010 – Cove Base Mastic	No Asbestos Detected
011 – Carpet Mastic	No Asbestos Detected
012 – 2x4 Ceiling Tile	No Asbestos Detected
014 – Interior Window Caulking	No Asbestos Detected
015 – 12x12 Floor Tile – Tan	No Asbestos Detected
016 – Floor Tile Mastic assoc. w/ 015	No Asbestos Detected
017 – 12x12 Floor Tile - White	No Asbestos Detected
018 – Floor Tile Mastic – 017	No Asbestos Detected
019 – Fire Door	No Asbestos Detected
021 – Flue Packing	No Asbestos Detected
022 – Interior Window Caulking	No Asbestos Detected
023 – Interior Window Caulking – Main Levels	No Asbestos Detected
025 – Floor Sheeting – Grey	No Asbestos Detected
026 – Floor Sheeting Backing	No Asbestos Detected
027 – Floor Sheeting Mastic	No Asbestos Detected
028 – Floor Sheeting Yellow	No Asbestos Detected
030 – Roof Tar Paper	No Asbestos Detected
031 – Interior Door Caulk	No Asbestos Detected
032 – Exterior Window Glazing	No Asbestos Detected
033 – Exterior Window Caulking	No Asbestos Detected
034 – Exterior Door Caulking	No Asbestos Detected
035 – Concrete Flooring	No Asbestos Detected

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Lead Paint Testing (Shaded Areas indicate Lead based Paint)

Harvard Environmental Inc. assessed the surfaces associated with building materials for lead based paint (LBP) utilizing X-Ray Fluorescence, (XRF) Technology. This technology is typically utilized for field assessing building components for the presence of LBP.

Definitions, Scope of Investigation and Limitations

Lead based paint, as defined by the Environmental Protection Agency/ Department of Housing and Urban Development (EPA/ HUD) consists of Lead concentrations greater than or equal to 1.0 mg cm².

Inconclusive: The PB 200i XRF Lead Paint Analyzer used during this inspection has an inconclusive range of 0.7 to 1.3 mg/cm². A 60 second inconclusive measurement would log the test at 1.0 mg/cm². Those inclusive readings must be considered actionable levels and Lead-Based Painted surfaces.

Room Equivalent: identifies components or structures presumed to have the same paint history as similar components or structures located within the facility. The characterizations of those similarities can include finish, appearance, purpose for application and color.

The A-wall pertains to the wall that is in the same plain or closest to the street address of the property. The building exterior A-wall pertains to the side of the building that faces the street address.

Scope of investigation and report and limitation to content, and/or representations and/or warranties related thereto:

The report does not and could not exclude the possibility of the presence of Lead-Based Paint (LBP) in any area that was inaccessible at the time of the inspection.

When one component set is tested in the particular room, the report assumes that the component set represents corresponding like components in any room equivalent.

In the event any change in the condition of the surfaces tested, subsequent to the testing communicated in this bound report, or should work be performed which has potential to change conditional circumstances and/or results., Harvard Environmental, Inc. should be contacted for subsequent testing after any remedial work has been undertaken and completed.

Non Assessed Conditions

Systems and/or materials provided on the list below were not assessed under this inspection and therefore should not be disturbed. In the event disturbance is required to accomplish the project objectives additional investigations will be required.

- This assessment was limited to accessible painted surfaces using XRF paint analyzers. No intrusive investigations were performed.
- Any painted surface behind hard walls or hard ceilings could not be assessed at this time. The possibility of lead based paint or lead hazards exists within those inaccessible areas.

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Information On The XRF Lead Paint Analyzer

XRF MANUFACTURER:	Viken Detection
XRF MAKE AND MODEL:	PB 200i XRF Lead Paint Analyzer
XRF SERIAL NO:	#2672
RADIOACTIVE ASSAY DATE:	5/24/16
DEPTH OF PENETRATION:	No Interference from objects (lead pipes, etc.) beyond 3/8"
SUBSTRATE EFFECT:	Automatic Substrate Compensation (Spectrum Analysis)
SUBSTRATE CORRECTION:	No corrections needed for all substrates using Quick Mode Readings; Metal Substrates need corrections using 30 Second Time Corrected Mode Readings below 4.0 mg/cm ²
OPERATOR:	Leonard Woerner
LICENSE NO:	LEAD RISK ASSESSOR CERTIFICATION PERMIT: LRA-000569
INSPECTION DATES:	1/27/23 and 2/13/23
REPORT DATE:	2/22/23

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LEAD HAZARD REDUCTION REPORT

Interior Lead Readings

Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
1	999	Calibration								0.9	
2	999	Calibration								1.0	
3	999	Calibration								0.9	
4	999	Calibration								0.9	
5	999	Calibration								0.9	
6	999	Calibration								0.9	
7	1.01	Entrance	B	Door	Left	Panel	Intact	Wood	White	0.1	
8	1.01	Entrance	B	Door	Left	Frame	Intact	Metal	White	<0.1	
9	1.01	Entrance	B	Column	Center	Column	Intact	Metal	Black	0.4	
10	1.01	Entrance	B	Door	Right	Panel	Intact	Wood	White	<0.4	
11	1.01	Entrance	B	Door	Right	Frame	Intact	Metal	White	<0.1	
12	1.01	Entrance	C	Column	Left	Column	Intact	Metal	Black	0.5	
13	1.01	Entrance	C	Door	Center	Transom window	Intact	Wood	Tan	8.5	
14	1.01	Entrance	D	Column	Left	Column	Intact	Metal	Tan	13.5	
15	1.01	Entrance	-	Stairs	Center	Tread	Intact	Metal	Red	<0.2	
16	1.01	Entrance	-	Stairs	Center	Riser	Intact	Metal	Red	2.2	
17	1.01	Entrance	D	Stairs	Center	Baseboard	Intact	Plaster	Black	55.0	
18	1.01	Entrance	D	Stairs	Center	Newell Post	Intact	Metal	Tan	2.3	
19	1.01	Entrance	D	Stairs	Center	Baluster	Intact	Metal	Tan	1.2	
20	1.01	Entrance	D	Stairs	Center	Stringer	Intact	Metal	Tan	2.3	
21	1.01	Entrance	D	Stairs	Center	Handrail	Intact	Wood	Stain	<0.2	
22	1.02	Room 1	A	Wall	Center	Wall	Deteriorated	Brick	White	35.0	
23	1.02	Room 1	B	Wall	Center	Wainscoting	Deteriorated	Wood	White	37.0	
24	1.02	Room 1	B	Wall	Center	Baseboard	Deteriorated	Wood	White	20.1	
25	1.02	Room 1	B	Wall	Center	Wall	Intact	Plaster	White	0.3	

RESPONSE ACTIONS: 1) ENCAPSULATION 2) COMPONENT REMOVAL 3) PAINT REMOVAL 4) PAINT STABILIZATION 5) ENCLOSURE 6) RE-PAINTING 7) INSTALL KICKPLATE OR SHOE MOLDING 8) Minor Repair and Maintenance Activities

* Priority 1 – Lead Hazard Reduction; ** de minimis level of paint damage. RRP contracting is not required. *** These items were assumed to be present as they were inaccessible for testing and observation **N/A – Not Applicable.** Conditions of the lead-based paint (LBP) are currently intact and no lead hazard is present. However, intact friction or impact surfaces of LBP pose a greater risk to future lead hazards. Frequent monitoring of those LBP conditions should be performed to maintain the intact condition and the absence of a lead hazard.



LEAD HAZARD REDUCTION REPORT

Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
26	1.02	Room 1	B	Window	Left	Sill	Deteriorated	Wood	White	37.0	
27	1.02	Room 1	B	Window	Left	Sash	Deteriorated	Wood	White	<0.1	
28	1.02	Room 1	C	Window	Center	Sash	Deteriorated	Wood	White	<0.3	
29	1.02	Room 1	-	Ceiling	Center	Ceiling	Deteriorated	Brick	White	42.0	
30	1.03	Hallway	B	Wall	Left	Wall	Intact	Block	White	0.0	
31	1.03	Hallway	D	Door	Left	Panel	Intact	Wood	White	<0.1	
32	1.03	Hallway	D	Door	Left	Stop	Intact	Wood	White	<0.4	
33	1.03	Hallway	D	Door	Left	Jamb	Intact	Wood	White	<0.4	
34	1.03	Hallway	D	Door	Left	Casing	Intact	Wood	White	<0.2	
35	1.03	Hallway	D	Door	Right	Panel	Intact	Wood	White	<0.4	
36	1.03	Hallway	D	Door	Right	Stop	Intact	Wood	White	<0.4	
37	1.03	Hallway	D	Door	Right	Jamb	Intact	Wood	White	<0.3	
38	1.03	Hallway	D	Door	Right	Casing	Intact	Wood	White	<0.4	
39	1.04	Hallway	D	Wall	Center	Wall	Intact	Drywall	White	0.1	
40	1.04	Hallway	D	Wall	Center	Chair rail	Intact	Wood	White	<0.2	
41	1.04	Hallway	D	Window	Left	Sash	Intact	Wood	White	6.3	
42	1.04	Hallway	D	Radiator	Center	Radiator	Intact	Metal	White	0.5	
43	1.04	Hallway	D	Radiator	Right	Radiator	Intact	Metal	White	0.5	
44	1.05	Storage	-	Radiator	Center	Radiator	Intact	Metal	White	<0.4	
45	1.05	Storage	B	Closet Door	Center	Panel	Intact	Wood	White	<0.1	
46	1.05	Storage	B	Closet Door	Center	Stop	Intact	Wood	White	<0.1	
47	1.05	Storage	B	Closet Door	Center	Jamb	Intact	Wood	White	0.0	
48	1.05	Storage	B	Closet Door	Center	Casing	Intact	Wood	White	<0.1	
49	1.05	Storage	D	Door	Center	Stop	Intact	Wood	White	<0.3	
50	1.05	Storage	D	Door	Center	Jamb	Intact	Wood	White	<0.1	
51	1.05	Storage	D	Door	Center	Casing	Intact	Wood	White	0.0	
52	1.05	Storage	D	Wall	Center	Wall	Intact	Brick	White	0.1	
53	1.07	Hallway	A	Wall	Center	Wall	Intact	Block	White	0.1	

RESPONSE ACTIONS: 1) ENCAPSULATION 2) COMPONENT REMOVAL 3) PAINT REMOVAL 4) PAINT STABILIZATION 5) ENCLOSURE 6) RE-PAINTING 7) INSTALL KICKPLATE OR SHOE MOLDING 8) Minor Repair and Maintenance Activities

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Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
54	1.07	Hallway	B	Door	Left	Panel	Intact	Metal	White	0.1	
55	1.07	Hallway	B	Door	Left	Frame	Intact	Metal	White	0.1	
56	1.08	Hallway Bathroom	B	Door	Left	Panel	Deteriorated	Metal	White	<0.1	
57	1.08	Hallway Bathroom	B	Door	Left	Frame	Deteriorated	Metal	White	<0.1	
58	1.08	Hallway Bathroom	B	Wall	Center	Wall	Intact	Block	White	0.1	
59	1.09	Men's Room	A	Wall	Center	Wall	Intact	Block	White	0.2	
60	1.09	Men's Room	A	Door	Right	Panel	Intact	Wood	White	<0.4	
61	1.09	Men's Room	A	Door	Right	Frame	Intact	Wood	White	<0.2	
62	1.10	Women's Room	A	Wall	Right	Wall	Intact	Block	Blue	<0.1	
63	1.10	Women's Room	C	Door	Right	Panel	Intact	Wood	White	<0.3	
64	1.10	Women's Room	C	Door	Right	Frame	Deteriorated	Metal	White	<0.1	
65	1.10	Women's Room	D	Wall	Right	Wall	Intact	Brick	Blue	0.1	
66	1.11	Mechanical Room	D	Door	Center	Panel	Deteriorated	Metal	White	0.1	
67	1.11	Mechanical Room	D	Door	Center	Frame	Deteriorated	Metal	White	0.4	
68	2.01	Collectors Room	C	Window	Center	Sill	Intact	Wood	Yellow	21.4	
69	2.01	Collectors Room	C	Window	Center	Sash	Intact	Wood	Yellow	<0.1	
70	2.01	Collectors Room	C	Window	Center	Casing	Intact	Wood	Yellow	31.1	
71	2.01	Collectors Room	C	Radiator	Center	Radiator	Deteriorated	Metal	Yellow	4.5	
72	2.01	Collectors Room	D	Window	Center	Sash	Intact	Wood	Yellow	24.9	
73	2.01	Collectors Room	A	Door	Center	Panel	Deteriorated	Wood	Yellow	35.0	
74	2.01	Collectors Room	A	Door	Center	Stop	Deteriorated	Wood	Yellow	0.0	
75	2.01	Collectors Room	A	Door	Center	Jamb	Deteriorated	Wood	Yellow	<0.3	
76	2.01	Collectors Room	B	Door	Center	Casing	Deteriorated	Wood	Yellow	<0.2	
77	2.01	Collectors Room	B	Wall	Center	Wall	Deteriorated	Plaster	White	0.1	
78	2.01	Collectors Room	B	Wall	Center	Baseboard	Deteriorated	Wood	Yellow	34.0	
79	2.01	Collectors Room	B	Door	Right	Jamb	Deteriorated	Wood	Yellow	7.1	
80	2.01	Collectors Room	B	Door	Right	Casing	Deteriorated	Wood	Yellow	32.0	
81	2.02	Kitchenette	A	Wall	Right	Wall	Intact	Wood	Yellow	36.0	

RESPONSE ACTIONS: 1) ENCAPSULATION 2) COMPONENT REMOVAL 3) PAINT REMOVAL 4) PAINT STABILIZATION 5) ENCLOSURE 6) RE-PAINTING 7) INSTALL KICKPLATE OR SHOE MOLDING 8) Minor Repair and Maintenance Activities

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Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
82	2.02	Kitchenette	B	Wall	Left	Wall	Deteriorated	Plaster	White	27.5	
83	2.02	Kitchenette	C	Wall	Left	Wall	Deteriorated	Drywall	White	0.0	
84	2.04	Stairs	C	Stairs	Right	Tread	Deteriorated	Metal	Red	0.4	
85	2.04	Stairs	C	Stairs	Center	Handrail	Deteriorated	Wood	Stain	<0.2	
86	2.04	Stairs	A	Basement Door	Left	Panel	Intact	Metal	White	0.1	
87	2.04	Stairs	A	Basement Door	Left	Frame	Deteriorated	Metal	White	0.2	
88	2.04	Stairs	B	Wall	Center	Baseboard	Deteriorated	Wood	Black	33.0	
89	2.05	Front Lobby	D	Wall	Center	Wall	Intact	Block	White	56.0	
90	2.05	Front Lobby	D	Radiator	Right	Radiator	Intact	Metal	White	9.8	
91	2.05	Front Lobby	A	Door	Center	Panel	Intact	Metal	White	0.0	
92	2.05	Front Lobby	A	Door	Center	Frame	Intact	Wood	White	<0.1	
93	2.05	Front Lobby	A	Door	Center	Transom window	Intact	Wood	White	<0.2	
94	2.05	Front Lobby	A	Door	Center	Casing	Intact	Wood	White	<0.2	
95	2.07	Admissions	A	Door	Center	Panel	Intact	Wood	Yellow	<0.1	
96	2.07	Admissions	A	Door	Center	Stop	Intact	Wood	Yellow	<0.2	
97	2.07	Admissions	A	Door	Center	Jamb	Intact	Wood	Yellow	<0.2	
98	2.07	Admissions	A	Door	Center	Casing	Intact	Wood	Yellow	<0.2	
99	2.07	Admissions	A	Door	Right	Panel	Intact	Metal	White	1.2	
100	2.07	Admissions	A	Door	Right	Casing	Deteriorated	Metal	White	1.6	
101	2.07	Admissions	A	Door	Right	Panel	Deteriorated	Metal	Brown	1.3	
102	3.01	Old Court Room	A	Window	Left	Sash	Deteriorated	Wood	White	17.3	
103	3.01	Old Court Room	A	Window	Left	Casing	Deteriorated	Wood	Brown	36.0	
104	3.01	Old Court Room	A	Radiator	Left	Radiator	Deteriorated	Metal	White	0.4	
105	3.01	Old Court Room	A	Radiator	Right	Radiator	Deteriorated	Metal	White	7.9	
106	3.01	Old Court Room	A	Window	Right	Sill	Deteriorated	Wood	Brown	1.1	
107	3.01	Old Court Room	B	Wall	Center	Walls	Deteriorated	Plaster	White	32.0	
108	3.01	Old Court Room	B	Wall	Center	Wainscoting	Deteriorated	Wood	Brown	33.0	
109	3.01	Old Court Room	B	Wall	Center	Baseboard	Deteriorated	Wood	Brown	42.0	

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Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
110	3.01	Old Court Room	C	Door	Left	Panel	Deteriorated	Wood	Brown	33.0	
111	3.01	Old Court Room	C	Door	Left	Casing	Deteriorated	Wood	Brown	41.0	
112	3.03	Office	C	Closet Door	Left	Panel	Deteriorated	Wood	Brown	<0.2	
113	3.03	Office	C	Closet Door	Right	Panel	Deteriorated	Wood	Brown	<0.1	
114	3.05	Bathroom	A	Bath Stall	Center	Panel	Deteriorated	Metal	White	6.5	
115	3.05	Bathroom	A	Bath Stall	Center	Frame	Deteriorated	Metal	White	6.0	
116	3.05	Bathroom	A	Bath Stall	Center	Wall	Deteriorated	Metal	White	7.6	
117	3.05	Bathroom	B	Radiator	Center	Radiator	Intact	Metal	White	0.0	
118	3.05	Bathroom	B	Window	Center	Sill	Deteriorated	Wood	White	0.8	
119	3.05	Bathroom	B	Window	Center	Sash	Deteriorated	Wood	White	0.0	
120	3.05	Bathroom	B	Window	Center	Casing	Deteriorated	Wood	White	40.0	
121	3.05	Bathroom	C	Wall	Center	Baseboard	Intact	Wood	White	1.5	
122	3.05	Bathroom	D	Door	Left	Panel	Deteriorated	Wood	White	36.0	
123	3.06	Lobby/Stairs	D	Stair	Left	Tread	Deteriorated	Metal	Red	0.3	
124	3.06	Lobby/Stairs	-	Stair	Left	Handrail	Deteriorated	Wood	Stain	0.3	
125	4.01	Lobby	-	Floor	Center	Floor	Deteriorated	Wood	Red	0.2	
126	4.01	Lobby	C	Stairs	Right	Tread	Deteriorated	Wood	White	0.2	
127	4.01	Lobby	C	Stairs	Right	Riser	Deteriorated	Wood	White	0.4	
128	4.01	Lobby	C	Stairs	Right	Handrail	Deteriorated	Wood	Stain	<0.4	
129	4.02	Office	A	Wall	Center	Wall	Deteriorated	Plaster	Green	0.3	
130	4.02	Office	A	Wall	Center	Baseboard	Deteriorated	Wood	Green	24.7	
131	4.02	Office	A	Floor	Center	Floor	Deteriorated	Wood	Grey	<0.1	
132	4.03	Office	A	Wall	Center	Wall	Deteriorated	Plaster	Green	0.2	
133	4.03	Office	A	Wall	Center	Baseboard	Deteriorated	Wood	White	1.1	
134	4.03	Office	-	Door	Center	Floor	Deteriorated	Wood	Grey	0.1	
135	5.01	Attic	D	Door	Center	Panel	Intact	Wood	White	0.2	
136	5.01	Attic	D	Wall	Center	Wall	Intact	Drywall	White	<0.1	
137	999	Calibrations								1.0	

RESPONSE ACTIONS: 1) ENCAPSULATION 2) COMPONENT REMOVAL 3) PAINT REMOVAL 4) PAINT STABILIZATION 5) ENCLOSURE 6) RE-PAINTING 7) INSTALL KICKPLATE OR SHOE MOLDING 8) Minor Repair and Maintenance Activities

* Priority 1 – Lead Hazard Reduction; ** de minimis level of paint damage. RRP contracting is not required. *** These items were assumed to be present as they were inaccessible for testing and observation **N/A – Not Applicable.** Conditions of the lead-based paint (LBP) are currently intact and no lead hazard is present. However, intact friction or impact surfaces of LBP pose a greater risk to future lead hazards. Frequent monitoring of those LBP conditions should be performed to maintain the intact condition and the absence of a lead hazard.



LEAD HAZARD REDUCTION REPORT

Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
138	999	Calibrations								0.9	
139	999	Calibrations								0.9	
140	999	Calibrations								1.0	
141	999	Calibrations								1.0	
142	999	Calibrations								0.9	

Exterior Lead Readings

Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
1	999	Calibration								1.0	
2	999	Calibration								1.0	
3	999	Calibration								0.9	
4	999	Calibration								0.9	
5	999	Calibration								0.9	
6	999	Calibration								1.0	
7	EXT	Exterior	D	Window	Left	Casing	Deteriorated	Wood	Tan	0.1	
8	EXT	Exterior	D	Window	Left	Sash	Deteriorated	Wood	Tan	1.1	
9	EXT	Exterior	D	Window	Left	Sill	Deteriorated	Wood	Tan	0.2	
10	EXT	Exterior	C	Door	Center	Casing	Deteriorated	Wood	Tan	2.9	
11	EXT	Exterior	C	Door	Center	Panel	Intact	Wood	Tan	0.0	
12	EXT	Exterior	C	Transom Window	Center	Sash	Deteriorated	Wood	Tan	2.6	
13	EXT	Exterior	C	Transom Window	Center	Casing	Deteriorated	Wood	Tan	1.4	
14	EXT	Exterior	B	Door	Left	Panel	Intact	Wood	Tan	0.0	
15	EXT	Exterior	A	Door	Center	Panel	Deteriorated	Wood	Tan	4.5	
16	EXT	Exterior	D	Door	Left	Panel	Intact	Metal	Tan	0.1	

RESPONSE ACTIONS: 1) ENCAPSULATION 2) COMPONENT REMOVAL 3) PAINT REMOVAL 4) PAINT STABILIZATION 5) ENCLOSURE 6) RE-PAINTING 7) INSTALL KICKPLATE OR SHOE MOLDING 8) Minor Repair and Maintenance Activities

* Priority 1 – Lead Hazard Reduction; ** de minimis level of paint damage. RRP contracting is not required. *** These items were assumed to be present as they were inaccessible for testing and observation **N/A – Not Applicable.** Conditions of the lead-based paint (LBP) are currently intact and no lead hazard is present. However, intact friction or impact surfaces of LBP pose a greater risk to future lead hazards. Frequent monitoring of those LBP conditions should be performed to maintain the intact condition and the absence of a lead hazard.



LEAD HAZARD REDUCTION REPORT

Test #	Room #	Room Name	Wall	Structure	Component Location	Component	Paint Condition	Substrate	Paint Color	Lead Content mg/cm ²	Response Action
17	EXT	Exterior	D	Door	Left	Casing	Intact	Metal	Tan	0.1	
18	EXT	Exterior	C	Soffit	Left	Soffit	Deteriorated	Metal	Tan	17.2	
19	EXT	Exterior	C	Soffit	Left	Cornice	Deteriorated	Metal	Tan	15.3	
20	EXT	Exterior	D	Soffit	Left	Soffit	Deteriorated	Metal	Tan	16.2	
21	EXT	Exterior	D	Soffit	Left	Cornice	Deteriorated	Metal	Tan	17.7	
22	999	Calibration								1.0	
23	999	Calibration								1.0	
24	999	Calibration								1.1	
25	999	Calibration								0.9	
26	999	Calibration								0.9	
27	999	Calibration								0.9	

RESPONSE ACTIONS: 1) ENCAPSULATION 2) COMPONENT REMOVAL 3) PAINT REMOVAL 4) PAINT STABILIZATION 5) ENCLOSURE 6) RE-PAINTING 7) INSTALL KICKPLATE OR SHOE MOLDING 8) Minor Repair and Maintenance Activities

* Priority 1 – Lead Hazard Reduction; ** de minimis level of paint damage. RRP contracting is not required. *** These items were assumed to be present as they were inaccessible for testing and observation **N/A – Not Applicable.** Conditions of the lead-based paint (LBP) are currently intact and no lead hazard is present. However, intact friction or impact surfaces of LBP pose a greater risk to future lead hazards. Frequent monitoring of those LBP conditions should be performed to maintain the intact condition and the absence of a lead hazard.

Non-Assessed Conditions

Systems and/or materials provided on the list below were not assessed under this inspection and therefore should not be disturbed. In the event disturbance is required to accomplish the project objectives additional investigations will be required.

- Interior of walls were not assessed; additional suspect materials may exist within inaccessible areas
- Interior of boiler was not assessed; additional suspect materials may exist within interior of the boiler.
- Flashing materials associated with the chimney were not sampled due to accessibility these materials are presumed.
- Subsurface materials were not assessed during this inspection

Recommendations

Based on the findings of the inspection, Harvard Environmental, Inc. is providing the following recommendations.

- If over the course of project execution, materials of questionable content are discovered, or should the Scope of Work expand beyond the parameters communicated to Harvard Environmental, Inc., additional inspections will be required in order to maintain compliance with Federal and State regulations.
- Any asbestos containing materials identified shall not be disturbed or damaged by future renovations and/or demolition. These materials are required to be removed from the impacted areas prior to such activities if those materials could be impacted by activities. The asbestos abatement shall be performed by a licensed Delaware Asbestos Abatement Contractor.
- Any lead-based paint activities should be performed by lead paint trained contractors (EPA certified Renovation, Repair and Painting (RRP) lead contractors). It is recommended that those contractors have a complete understanding and knowledge of the OSHA regulations pertaining to Lead in Construction. The OSHA standard "CFR 1926.62" should be used when disturbing lead-based paint and lead components during construction/demolition activities. As a note, there are currently no regulatory requirements that lead-based paint must be removed from a facility.

This report is intended to provide "basic data" only. It is assumed that individuals reading and interpreting the sample locations and results, methods of analysis and hazards associated with the materials, are knowledgeable in all areas of discussion. Should any questions arise regarding the content of the information presented, contact should be exclusively to Harvard Environmental, Inc., Bear, Delaware, 1-302-326-2333. This document should be archived by the Owner for historical reference.

Not For Bid

Certifications And Accreditations

Appendix A



Not For Bid

CITY OF WILMINGTON - BUSINESS LICENSE

ACCOUNT NO. 019557	LICENSE NO. 2213	CODE 5003 CONSULTANTS	 2023	FEE PAID \$181.00
BUSINESS HARVARD ENVIRONMENTAL INC 760 PULASKI HWY BEAR, DE 19701			Expires: 12/31/2023	
HARVARD ENVIRONMENTAL INC HARVARD ENVIRONMENTAL INC 760 PULASKI HIGHWAY BEAR, DE 19701-5200			ISSUED BY <i>Michael A Boykin</i> COMMISSIONER DEPARTMENT OF LICENSES & INSPECTIONS	

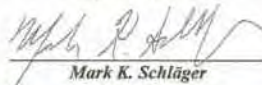
THIS LICENSE MUST BE DISPLAYED IN A PROMINENT PLACE

Certificate of Completion

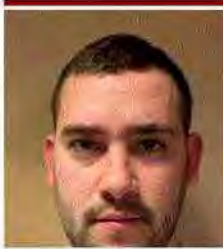
awarded to
Jeffrey Demicco
for successfully completing the prescribed course of study in

**Pennsylvania Asbestos
Building Inspector Refresher Course**
under TSCA Title II, Virtual Teleconference

presented by
ACCESS TRAINING SERVICES, INC.
7921 River Road, Pennsauken, NJ 08110
(856) 665-3449

_____ 1/3/23 <i>Course Date</i>	_____ N/A <i>Exam Date</i>	_____ 1/3/24 <i>Expiration Date</i>
_____ Not Provided <i>Social Security Number</i>	_____ ACC-0123-6-019 <i>Certificate Number</i>	 _____ Mark K. Schlager <i>Training Director</i>

Not For Bid



Leonard Woerner

Current Certifications:

Discipline
Risk Assessor

Expiration
04/01/2024



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health

**Healthy Homes and
Lead Poisoning Prevention Program**
417 Federal Street
Dover, DE 19901
(302) 744-4546

ID #:
000569

Karyl T. Rattay, MD, MS, FAAP, FACP
Director, Division of Public Health
Delaware Health & Social Services

This badge is the property of Division of Public Health. Report loss or theft of this badge immediately to Division of Public Health. Counterfeiting, alteration or misuse of this badge is prohibited. Use or possession by any other person is unlawful and will make the offender liable to penalty under



Not For Bid



DELAWARE HEALTH AND SOCIAL SERVICES
DIVISION OF PUBLIC HEALTH

OFFICE OF RADIATION CONTROL

Radioactive Material
REGISTRATION
NON-TRANSFERABLE

Expiration Date: 7/18/2023 Effective Date: 7/18/2021 Registration No: 2010

Harvard Environmental, Inc.
760 Pulaski Highway
Bear, Delaware 19701

ATTN: Wesley G. Morrison Jr.

Pursuant to the Radiation Control Act, Del. C., Chapter 74 as amended, the Delaware Radiation Control regulations, and a duly filed application, registration is hereby issued to the registrant designated above.

This registration is hereby made public and is subject to all applicable rules, registrations, orders, and notices now or hereafter in effect.

BY: 
Director, Division of Public Health

**POST IN A CONSPICUOUS PLACE
FOR PUBLIC VIEW**

RC-R11 3-92

MAILING ADDRESS: 417 FEDERAL STREET DOVER DELAWARE 19901

Not For Bid

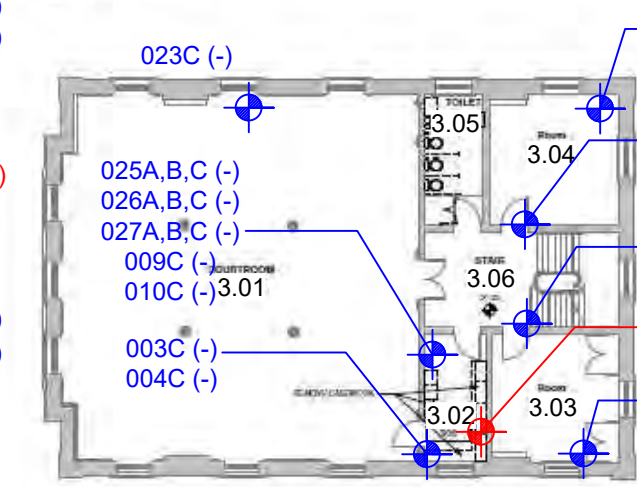
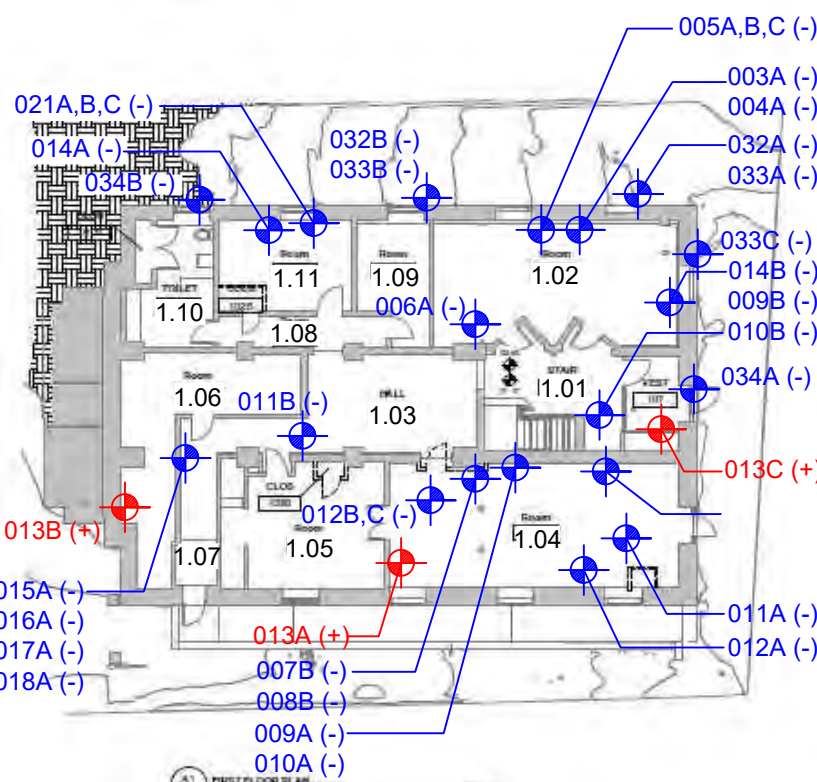
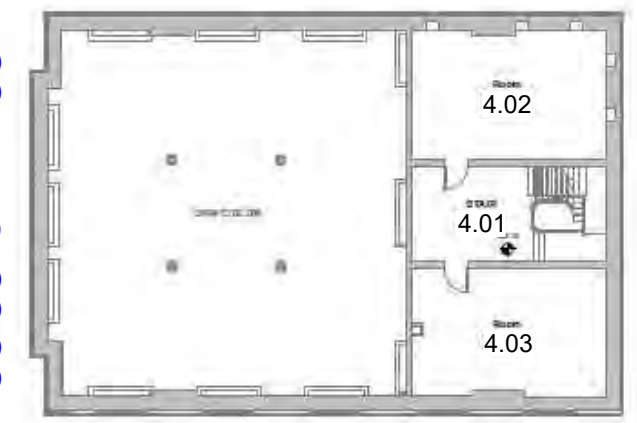
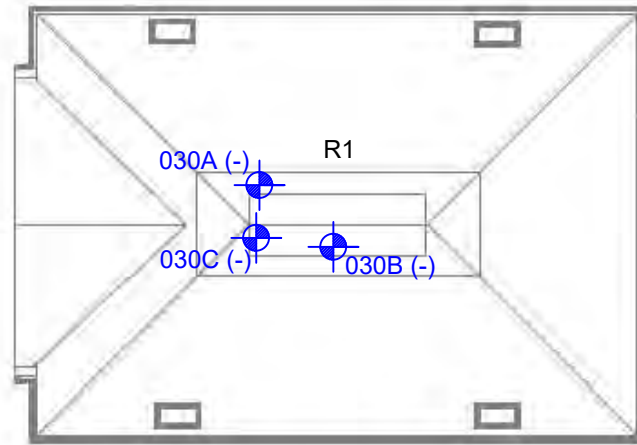
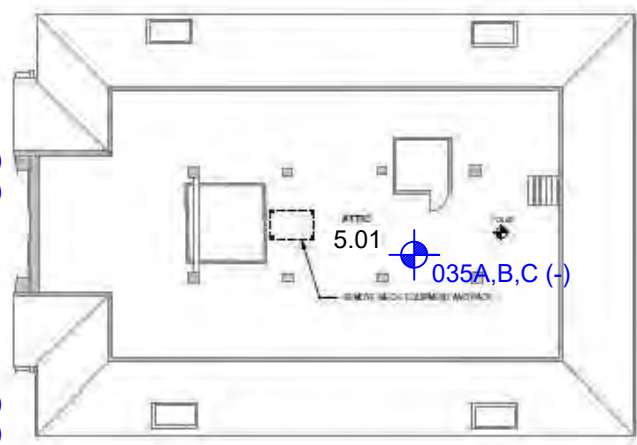
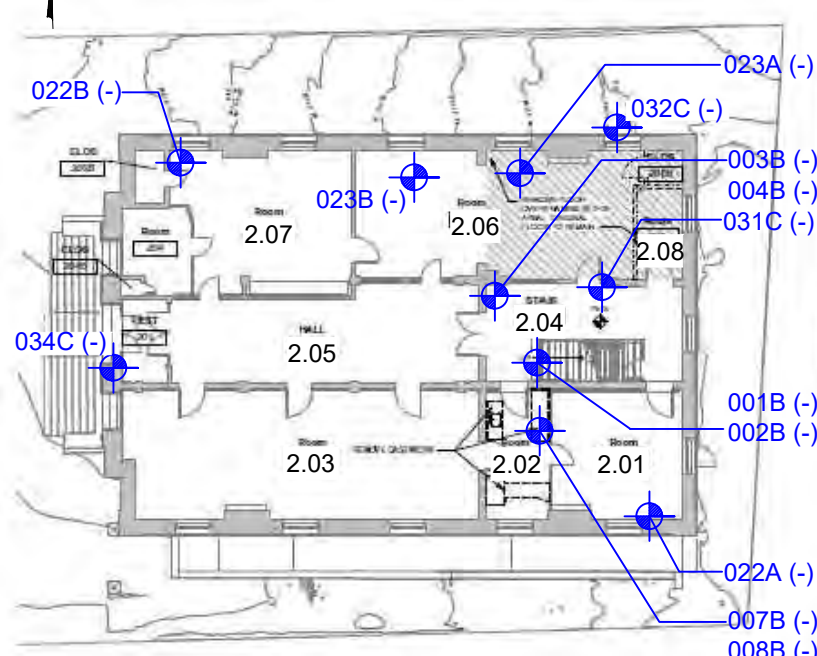


Not For Bid

Schematic Diagrams/Sample Locations & Material Inventory Report

Appendix B

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GENERAL NOTES:

- PRESENTATION OF INFORMATION IS BASED ON BEST AVAILABLE INFORMATION. DRAWING SCHEMATICS WERE DESIGNED BY HARVARD ENVIRONMENTAL BASED ON FIELD OBSERVATIONS AND INFORMATION PROVIDED TO HARVARD ENVIRONMENTAL.
- THIS PROJECT INVOLVES AN ASSESSMENT AND SAMPLING FOR PURPOSES OF IDENTIFYING ASBESTOS CONTAINING MATERIALS THAT MAY BE PRESENT WITHIN THE BUILDING. THESE DRAWINGS ARE NOT TO BE CONSIDERED TO SCALE AND ARE INTENDED TO BE USED FOR ORIENTATION PURPOSES ONLY AND IDENTIFYING THE LOCATIONS OF SAMPLES.

KEY:
 - SAMPLE LOCATIONS (-/+)

CUSTOMS HOUSE RENOVATION AND ADDITION PROJECT	
ASBESTOS INSPECTION AND SAMPLING	
PROJECT: CUSTOMS HOUSE RENOVATION AND ADDITION PROJECT 516 N. KING STREET WILMINGTON, DE 19801	
CLIENT: VERDANTES 5400 LIMESTONE ROAD WILMINGTON, DE 19808	
	
DESIGNED BY: MET	
DRAWN BY: MET	
CHECKED BY: JTM	
DATE: 02-21-2023	
SCALE: NOT TO SCALE	
SHEET NO.: 1 OF 1	
DRAWING ID: 23517	

Laboratory Analysis

Appendix C

Not For Bid

LR-407

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-

Re: DFM - Customs House Renovations - Asbestos and Lead Inspection

Collected: 025 1/26/2023
Lab Project Number: 26951

		QTY
Received	Jake Horwitz	1/26/2023 85
Logged	Jake Horwitz	1/26/2023 85
Analyzed	Asghar Keyvanfar	1/30/2023 79

Sample Number: 001A
COC Description: Ceiling Plaster Undercoat - 1.02

LAB SAMPLE ID
168499

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 001B
COC Description: Ceiling Plaster Undercoat - 2.04

LAB SAMPLE ID
168500

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 001C
COC Description: Ceiling Plaster Undercoat - 3.04

LAB SAMPLE ID
168501

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 002A
COC Description: Ceiling Plaster Finish - 1.02

LAB SAMPLE ID
168502

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

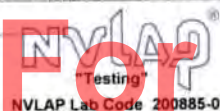
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Analysis Methods: EPA 600/R-93/116 / 40 CFR Appendix E to Subpart E of Part 763, interim method of the Determination of Asbestos in Bulk Samples

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

Page 1 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 002B
COC Description: Ceiling Plaster Finish - 2.04

LAB SAMPLE ID
168503

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 002C
COC Description: Ceiling Plaster Finish - 3.04

LAB SAMPLE ID
168504

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 003A
COC Description: Wall Plaster Undercoat - 1.02

LAB SAMPLE ID
168505

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 003B
COC Description: Wall Plaster Undercoat - 2.04

LAB SAMPLE ID
168506

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

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Analyst

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Page 2 of 22

H-PLM-23517-1/26/2023

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Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Recieved Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 003C
COC Description: Wall Plaster Undercoat - 3.02

LAB SAMPLE ID
168507

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 004A
COC Description: Wall Plaster Finish - 1.02

LAB SAMPLE ID
168508

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 004B
COC Description: Wall Plaster Finish - 2.04

LAB SAMPLE ID
168509

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 004C
COC Description: Wall Plaster Finish - 3.02

LAB SAMPLE ID
168510

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

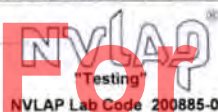
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Asghar Keyvanfar
Analyst

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Page 3 of 22

H-PLM-23517-1/26/2023

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Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 005A
COC Description: Flue Packing - Orange - 1.02

LAB SAMPLE ID
168511

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Red
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 005B
COC Description: Flue Packing - Orange - 1.02

LAB SAMPLE ID
168512

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Red
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 005C
COC Description: Flue Packing - Orange - 1.02

LAB SAMPLE ID
168513

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Red
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 007A
COC Description: Drywall - 1.04

LAB SAMPLE ID
168514

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

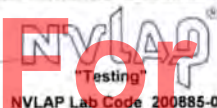
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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Recieved Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 007B
COC Description: Drywall - 2.02

LAB SAMPLE ID
168515

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 007C
COC Description: Drywall - 1.05

LAB SAMPLE ID
168516

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 008A
COC Description: Joint Compound - 1.04

LAB SAMPLE ID
168517

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 008B
COC Description: Joint Compound - 2.02

LAB SAMPLE ID
168518

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

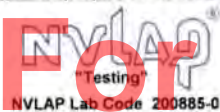
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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 008C
COC Description: Joint Compound - 1.05

LAB SAMPLE ID
168519

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 009A
COC Description: Cove Base - 4" Black - 1.04

LAB SAMPLE ID
168520

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Black
Other Color
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 009B
COC Description: Cove Base - 4" Black - 1.04

LAB SAMPLE ID
168521

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Black
Other Color
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 009C
COC Description: Cove Base - 4" Black - 3.02

LAB SAMPLE ID
168522

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Black
Other Color
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

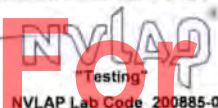
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Page 6 of 22

H-PLM-23517-1/26/2023

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Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
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Sample Number: 010A
COC Description: Cove Base Mastic - 1.04

LAB SAMPLE ID
168523

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 010B
COC Description: Cove Base Mastic - 1.04

LAB SAMPLE ID
168524

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 010C
COC Description: Cove Base Mastic - 3.02

LAB SAMPLE ID
168525

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 011A
COC Description: Carpet Mastic - 1.04

LAB SAMPLE ID
168526

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

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Sample Number: 011B
COC Description: Carpet Mastic - 1.03

LAB SAMPLE ID
168527

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 011C
COC Description: Carpet Mastic - 1.01

LAB SAMPLE ID
168528

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 012A
COC Description: 2x4 Ceiling Tile - 1.04

LAB SAMPLE ID
168529

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Cellulose	85	Other
		5	Mineral Wool		

Color: Brown
Other Color: White
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 012B
COC Description: 2x4 Ceiling Tile - 1.04

LAB SAMPLE ID
168530

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Cellulose	85	Other
		5	Mineral Wool		

Color: Brown
Other Color: White
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

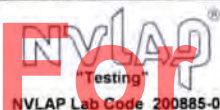
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Sample Number: 012C
COC Description: 2x4 Ceiling Tile - 1.04

LAB SAMPLE ID
168531

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Cellulose	85	Other
		5	Mineral Wool		

Color: Brown
Other Color: White
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 013A
COC Description: Pipe Insulation - 1.04

LAB SAMPLE ID
168532

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
10	% Chrysotile			90	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 013B
COC Description: Pipe Insulation - 1.06

LAB SAMPLE ID
168533

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color:
Homogeneity:
Treatment:
Texture:

Sample Number: 013C
COC Description: Pipe Insulation - 1.01

LAB SAMPLE ID
168534

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color:
Homogeneity:
Treatment:
Texture:

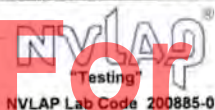
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Sample Number: 014A
COC Description: Interior Window Caulk - Basement - 1.11

LAB SAMPLE ID
168535

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 014B
COC Description: Interior Window Caulk - Basement - 1.02

LAB SAMPLE ID
168536

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 014C
COC Description: Interior Window Caulk - Basement - 1.04

LAB SAMPLE ID
168537

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 015A
COC Description: 12x12 Floor Tile - Tan - 1.07

LAB SAMPLE ID
168538

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

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Sample Number: 016A
COC Description: Floor Tile Mastic - 1.07

LAB SAMPLE ID
168539

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Brown
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 017A
COC Description: 12x12 Floor Tile - White - 1.07

LAB SAMPLE ID
168540

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 018A
COC Description: Floor Tile Mastic - 1.07

LAB SAMPLE ID
168541

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Black
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 021A
COC Description: Flue Packing - 1.11

LAB SAMPLE ID
168542

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

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Asghar Keyvanfar
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NVLAP Testing
NVLAP Lab Code 200885-0

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Page 11 of 22

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Sample Number: 021B
COC Description: Flue Packing - 1.11

LAB SAMPLE ID
168543

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 021C
COC Description: Flue Packing - 1.11

LAB SAMPLE ID
168544

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 022A
COC Description: Interior Window Caulk - 2.01

LAB SAMPLE ID
168545

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Grey
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 022B
COC Description: Interior Window Caulk - 2.07

LAB SAMPLE ID
168546

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Grey
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

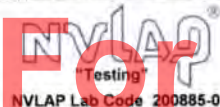
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Sample Number: 022C
COC Description: Interior Window Caulk - 3.03

LAB SAMPLE ID
168547

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Grey
Homogeneity: Homogeneous
Treatment: Crushed
Texture: Firm

Sample Number: 023A
COC Description: Vapor Barrier - Floors - 2.06

LAB SAMPLE ID
168548

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	20	Cellulose	80	Other

Color: Black
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 023B
COC Description: Vapor Barrier - Floors - 2.06

LAB SAMPLE ID
168549

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	20	Cellulose	80	Other

Color: Black
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 023C
COC Description: Vapor Barrier - Floors - 3.01

LAB SAMPLE ID
168550

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	20	Cellulose	80	Other

Color: Black
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

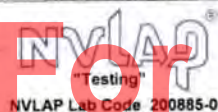
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Page 13 of 22

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Sample Number: 024A
COC Description: Sink Undercoat - White - 3.02

LAB SAMPLE ID
168551

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
3	% Chrysotile	7	Cellulose	90	Other

Color: Pink
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 024B
COC Description: Sink Undercoat - White - 3.02

LAB SAMPLE ID
168552

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color
Homogeneity:
Treatment:
Texture:

Sample Number: 024C
COC Description: Sink Undercoat - White - 3.02

LAB SAMPLE ID
168553

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color
Homogeneity:
Treatment:
Texture:

Sample Number: 025A
COC Description: Floor Sheeting - Gray - 3.02

LAB SAMPLE ID
168554

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

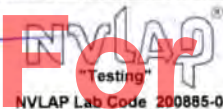
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Sample Number: 025B
COC Description: Floor Sheeting - Gray - 3.02

LAB SAMPLE ID
168555

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 025C
COC Description: Floor Sheeting - Gray - 3.02

LAB SAMPLE ID
168556

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 026A
COC Description: Floor Sheeting Backing - 3.02

LAB SAMPLE ID
168557

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Cellulose	90	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 026B
COC Description: Floor Sheeting Backing - 3.02

LAB SAMPLE ID
168558

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Cellulose	90	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

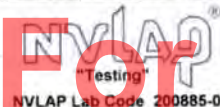
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Analysis Methods: EPA 600/R-93/116 / 40 CFR Appendix E to Subpart E of Part 763, interim method of the Determination of Asbestos in Bulk Samples

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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

Page 15 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Recieved Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 026C
COC Description: Floor Sheeting Backing - 3.02

LAB SAMPLE ID
168559

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Cellulose	90	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

Sample Number: 027A
COC Description: Floor Sheeting Mastic - 3.02

LAB SAMPLE ID
168560

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 027B
COC Description: Floor Sheeting Mastic - 3.02

LAB SAMPLE ID
168561

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 027C
COC Description: Floor Sheeting Mastic - 3.02

LAB SAMPLE ID
168562

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Tan
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

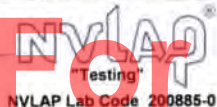
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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release.

Page 16 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Recieved Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 028A
COC Description: Floor Sheeting - Yellow - 3.02

LAB SAMPLE ID
168563

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Yellow
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 028B
COC Description: Floor Sheeting - Yellow - 3.02

LAB SAMPLE ID
168564

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Yellow
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 028C
COC Description: Floor Sheeting - Yellow - 3.02

LAB SAMPLE ID
168565

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Yellow
Other Color:
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 029A
COC Description: Floor Sheeting Backing - 3.02

LAB SAMPLE ID
168566

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
10	% Chrysotile	10	Cellulose	80	Other

Color: White
Other Color:
Homogeneity: Homogeneous
Treatment: Teased
Texture: Firm

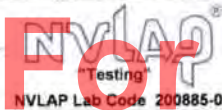
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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

Page 17 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 029B
COC Description: Floor Sheeting Backing - 3.02

LAB SAMPLE ID
168567

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color:
Homogeneity:
Treatment:
Texture:

Sample Number: 029C
COC Description: Floor Sheeting Backing - 3.02

LAB SAMPLE ID
168568

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color:
Homogeneity:
Treatment:
Texture:

Sample Number: 030A
COC Description: Roof Tar Paper - R1

LAB SAMPLE ID
168569

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	20	Cellulose	80	Other

Color: Black
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 030B
COC Description: Roof Tar Paper - R1

LAB SAMPLE ID
168570

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	20	Cellulose	80	Other

Color: Black
Other Color:
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

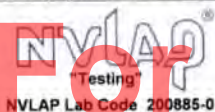
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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

Page 18 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**

Monday, January 30, 2023

Verdantas
5400 Limestone Road
Wilmington, DE
19808-

Lab Project Number: 26951 QTY

Re: DFM - Customs House Renovations - Asbestos and Lead

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 030C
COC Description: Roof Tar Paper - R1

LAB SAMPLE ID
168571

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	20	Cellulose	80	Other

Color: Black
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 031A
COC Description: Interior Door Caulk - 3.06

LAB SAMPLE ID
168572

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 031B
COC Description: Interior Door Caulk - 3.06

LAB SAMPLE ID
168573

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 031C
COC Description: Interior Door Caulk - 2.04

LAB SAMPLE ID
168574

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

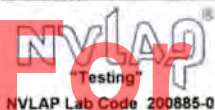
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Asghar Keyvanfar
Analyst

Not For Bid



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Page 19 of 22

H-PLM-23517-1/26/2023

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23517

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Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 032A
COC Description: Exterior Window Glaze - EXT

LAB SAMPLE ID
168575

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Brown
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 032B
COC Description: Exterior Window Glaze - EXT

LAB SAMPLE ID
168576

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Brown
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 032C
COC Description: Exterior Window Glaze - EXT

LAB SAMPLE ID
168577

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Brown
Homogeneity: Homogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 033A
COC Description: Exterior Window Caulk - EXT

LAB SAMPLE ID
168578

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Black
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

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Asghar Keyvanfar
Analyst

Not For Bid



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Page 20 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Received Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 033B
COC Description: Exterior Window Caulk - EXT

LAB SAMPLE ID
168579

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Black
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 033C
COC Description: Exterior Window Caulk - EXT

LAB SAMPLE ID
168580

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color: Black
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 034A
COC Description: Exterior Door Caulk - EXT

LAB SAMPLE ID
168581

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Pink
Other Color: Black
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 034B
COC Description: Exterior Door Caulk - EXT

LAB SAMPLE ID
168582

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Pink
Other Color: Black
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

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Asghar Keyvanfar
Analyst

Not For Bid

Approved For Release:

Page 21 of 22

H-PLM-23517-1/26/2023

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-
Re: DFM - Customs House Renovations - Asbestos and Lead

Monday, January 30, 2023

Lab Project Number: 26951 QTY

Recieved Jake Horwitz 1/26/2023 85
Logged Jake Horwitz 1/26/2023 85
Analyzed Asghar Keyvanfar 1/30/2023 79

Sample Number: 034C
COC Description: Exterior Door Caulk - EXT

LAB SAMPLE ID
168583

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color:	Pink
Other Color:	Black
Homogeneity:	Homogeneous
Treatment:	Heated
Texture:	Firm

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Asghar Keyvanfar
Analyst

Not For Bid



Approved For Release:

Analytical Laboratory Name: **Harvard Env.**

REPORT TO: <u>Harvard Environmental</u>	INVOICE TO:	WO / P.O. # <u>23517</u>
ATTN:	ATTN: <u>Accounts Payable</u>	PROJECT NAME: <u>PLM - Customs House Renovations - Asbestos and Lead Inspections</u>
PHONE: 302-326-2333 FAX: 302-326-2335	REMARKS:	Turn Around Time (Circle One) Same Day <u>24 Hours</u> 48 Hours 72 Hours 4 Days 1 Week 2 Weeks 3 Hr Rush 6 Hr Rush OTHER _____
Collected By: <u>Jeffrey Demico</u> Date: <u>1/26/23</u> Time: _____	<u>85 PLMs</u>	
Relinquished By: <u>Jeffrey Demico</u> Date: <u>1/26/23</u> Time: _____		
Received By: <u>[Signature]</u> Date: <u>1/26/23</u> Time: _____		
Received In Lab: <u>[Signature]</u> Date: _____ Time: _____		

SAMPLE ID	SYS CODE	26951 Lab ID# (Lab Use Only)	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive Stop	If Negative Analyze TEM	Results (Lab Use Only)	OTHER INSTRUCTIONS 1. _____ 2. _____ 3. _____
001A	CPU	168499	Ceiling Plaster Undercoat	1.02		✓		NAD	
001B	↓	500	↓	2.04		✓		NAD	
001C	↓	01	↓	3.04				NAD	
002A	CPF	02	Ceiling Plaster Finish	1.02		✓		NAD	
002B	↓	03	↓	2.04		✓		NAD	
002C	↓	04	↓	3.04				NAD	
003A	WPU	05	Wall Plaster Undercoat	1.02		✓		NAD	
003B	↓	06	↓	2.04		✓		NAD	
003C	↓	07	↓	3.02				NAD	
004A	WPF	08	Wall Plaster Finish	1.02		✓		NAD	
004B	↓	09	↓	2.04		✓		NAD	
004C	↓	10	↓	3.02				NAD	
005A	FLU	11	Flue Packing - Orange	1.02		✓		NAD	
005B	↓	12	↓	↓		✓		NAD	
005C	↓	13	↓	↓				NAD	

Release Results Via: Fax Email Verbal To: _____ Date: _____ Time: _____ Signature: _____

SAMPLE ID	SYS CODE	Lab ID#	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive Stop	If Negative PLM Analyze TEM	OTHER INSTRUCTIONS
								1. _____ 2. _____ 3. _____
007A	DW	168514	Drywall	1.04		✓		NAD
007B	↓	15	↓	2.02		✓		NAD
007C	↓	16	↓	1.05				NAD
008A	JC	17	Joint Compound	1.04		✓		NAD
008B	↓	18	↓	2.02		✓		NAD
008C	↓	19	↓	1.05				NAD
009A	CB	20	Core Base-4" Black	1.04		✓		NAD
009B	↓	21	↓	1.04		✓		NAD
009C	↓	22	↓	3.02				NAD
010A	CBM	23	Core Base Mastic	1.04		✓		NAD
010B	↓	24	↓	1.04		✓		NAD
010C	↓	25	↓	3.02				NAD
011A	CM	26	Carpet Mastic	1.04		✓		NAD
011B	↓	27	↓	1.03		✓		NAD
011C	↓	28	↓	1.01				NAD

PLM CHAIN OF CUSTODY

SAMPLE ID	SYS CODE	Lab ID#	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive Stop	If Negative PLM Analyze TEM	OTHER INSTRUCTIONS		
								1. _____	2. _____	3. _____
012A	CT24	168529	2x4 Ceiling Tile	1.04		✓		N/A		
012B	↓	30	↓	↓		✓		N/A		
012C	↓	31	↓	↓				N/A		
13A	PI	32	Pipe Insulation	1.04		✓		10 % chert		
13B	↓	33	↓	1.06		✓		-		
13C	↓	34	↓	1.01				-		
014A	CLK	35	Interior Window Caulk -	1.11		✓		N/A		
014B	↓	36	Basement	1.02		✓		N/A		
014C	↓	37	↓	1.04				N/A		
015A	FT12	38	12x12 Floor Tile - Tan	1.07			✓	N/A		
016A	FT12M	39	Floor Tile Mastic	↓			✓	N/A		
017A	FT12	40	12x12 Floor Tile - White	↓			✓	tile stuck together - analyze mastic		
018A	FT12M	41	Floor Tile Mastic	↓			✓	N/A and bottom tile		
021A	FLU	42	Flue Packing	1.11		✓		N/A		
021B	↓	43	↓	1.11		✓		N/A		

SAMPLE ID	SYS CODE	Lab ID#	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive Stop	If Negative PLM Analyze TEM	OTHER INSTRUCTIONS		
								1.	2.	3.
021C	FLM	168544	Flue Packing	1-11						
022A	CLK	45	Exterior Window Caulk	2.01		✓				NAD
022B	↓	46	↓	2.07		✓				NAD
022C	↓	47	↓	3.03						NAD
23A	VB	48	Vapor Barrier - Floors	2.06		✓				NAD
23B	↓	49	↓	2.06		✓				NAD
23C	↓	50	↓	3.01						NAD
24A	SU	51	Sink Undercoat - White	3.02		✓				3 % coats
24B	↓	52	↓	↓		✓				-
24C	↓	53	↓	↓						-
025A	FS	54	Floor Sheeting - Gray	3.02		✓				NAD
025B	↓	55	↓	↓		✓				NAD
025C	↓	56	↓	↓						NAD
026A	FSB	57	Floor Sheeting Backing	↓		✓				NAD
026B	↓	58	↓	↓		✓				NAD

LR-407

CERTIFICATE OF ANALYSIS

23517

To: **Robert Smagala** **11506EC**
Verdantas
5400 Limestone Road
Wilmington, DE
19808-

Re: DFM - Customs House Renovations - Asbestos and Lead Inspection

Collected: 004 2/17/2023
Lab Project Number: 27026

		QTY
Received	Ashley Mote	2/17/2023 3
Logged	Ashley Mote	2/17/2023 3
Analyzed	Asghar Keyvanfar	2/22/2023 3

Sample Number: 035A
COC Description: Concrete Floor - Attic Space - 5.01

LAB SAMPLE ID
168937

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color:	Brown
Other Color:	
Homogeneity:	Homogeneous
Treatment:	Teased
Texture:	Firm

Sample Number: 035B
COC Description: Concrete Floor - Attic Space - 5.01

LAB SAMPLE ID
168938

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color:	Brown
Other Color:	
Homogeneity:	Homogeneous
Treatment:	Teased
Texture:	Firm

Sample Number: 035C
COC Description: Concrete Floor - Attic Space - 5.01

LAB SAMPLE ID
168939

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color:	Brown
Other Color:	
Homogeneity:	Homogeneous
Treatment:	Teased
Texture:	Firm

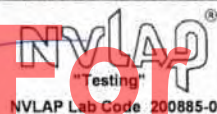
This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP or any agency of the U.S. government. The Laboratory did not collect samples conveyed in this report. This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Methods: EPA 600/R-93/116 / 40 CFR Appendix E to Subpart E of Part 763, interim method of the Determination of Asbestos in Bulk Samples

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar
Analyst

Not For Bid

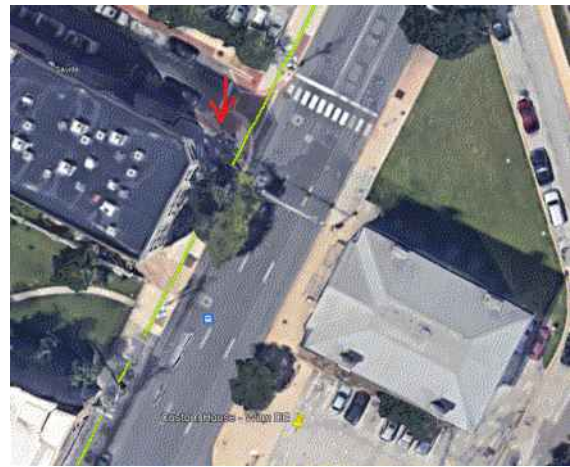


Approved For Release:

City of Wilmington



MICHAEL S. PURZYCKI
Mayor



SINGLE CAPACITY FLOW TEST

DATE: January 31, 2023

TIME: 1:15 PM

Flowed the hydrant @ SEC of E. 6th/N. King Streets Intersection

STATIC: 22 P.S.I.
RESIDUAL: 21 P.S.I.
FLOW: 366 G.P.M.
AVAILABLE FLOW @ 20 P.S.I.: 532 G.P.M.

PERFORMED BY: ME Simpsons
WITNESSED BY: ME Simpsons

SYSTEM INFORMATION: The Low Service System's storage tank operation level was 9.00 feet above the bottom of the tank at **1:15 PM** on **January 31, 2023**.

"The department does not assume any liability to parties receiving the above information nor does it guarantee any special service, pressure, capacity of facility other than is permitted by the ordinary and changing operation conditions of the City's water supply system, as it exists from day to day."

Not For Bid



Flow test results for hydrant 31650 at N King St and E 6th St:

Date Time:	01/31/23
01:15 pm	
Static Pressure:	22
Residual Pressure:	21
Observed Flow:	366
Available Flow @ 20psi:	532

E 6TH STREET

LOCATION OF HYDRANT FLOW TEST



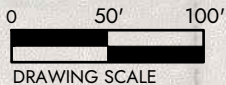
NORTH KING STREET STATE ROUTE 13
85.5' WIDE

LOCATION OF HYDRANT FLOW TEST

report for this one was not sent today

Verdantas confirmed that the flow test was actually at the hydrant next to the Custom House. This confirms we need a fire pump an domestic water booster pump.

ALICO ROAD 30' WIDE



n:\projects\14000\14147\working\cad\exhibit - flow test location.dwg

DATE: DECEMBER 9, 2022

WILMINGTON ~ NEW CASTLE COUNTY ~ DELAWARE

PROJECT. NO. 14147

CUSTOM HOUSE EXPANSION

SCALE: 1" = 50'

516 N FRENCH STREET

DESIGNED BY: DPM

DRAWN BY: DPM

CHECKED BY: KJT

HYDRANT FLOW TEST LOCATIONS



Not For Bid

5400 LIMESTONE ROAD
WILMINGTON, DE 19808-1232
TEL. 302.239.6634 FAX 302.239.8485

SHEET:
FIGURE 1

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Not For Bid

SECTION 00 40 00

PROCUREMENT FORMS AND SUPPLEMENTS

1.1 ADMINISTRATIVE FORMS

- A. Administrative Forms: Additional administrative forms are specified in Division 01 General Requirements.
- B. Copies of AIA standard forms may be obtained from the American Institute of Architects; <http://www.aia.org/contractdocs/purchase/index.htm>; docspurchases@aia.org; (800) 942-7732.
- C. 00 41 00 Bid Forms:
 - 1. 00 41 13 Bid Form, included in the Project Manual, and includes the following:
 - i Allowances
 - ii Alternates
 - iii Unit Prices
 - iv Sub-Contractor List
 - v Non-Collusion Statement
 - vi Affidavit of Employee Drug Testing Program
- D. 00 43 00 Procurement Forms:
 - 1. 00 43 13 Bid Bond Form, included in the Project Manual.
 - 2. 00 43 21 Allowance Authorization Form, included in the Project Manual

END OF SECTION

Not For Bid

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