

Addendum #6

Directorate of Facilities Engineering

14 July 2022

This Addendum modifies, amends, and supplements designated parts of the Contract Documents, Specifications and Drawings for:

Joint Vehicle Maintenance Facility, FMS #1, Saco, Maine, Project Number 230125, BGS Project Number 3100, Bid Number 22-018.

It shall be the responsibility of the Contractor to notify all Subcontractors and Suppliers for various portions of the work of any changes or modifications contained in this Addendum.

Notice of Bid Opening Extension

Due to the complexity of Addendum 1, the date of the Bid Opening has been extended to July 21, 2022, the final date for RFIs to be submitted is extended to 15 July 2022 at 12:00 noon, and the final Addendum will be issued no later than 18 July 2022 at 12:00 noon. All other provisions of the bid opening remain the same.

RFI/Clarification General Notes (GN)

1. Any references in these RFI questions and answers to any specific manufacturer, make, model, etc. are provided as a basis of bid. Alternates and substitutions are acceptable provided they meet the design requirements as stated in the plans and specifications and are approved through the submittal process after contract award and prior to installation.

RFIs/Clarification Items:

1. Question: LP Tanks
 - a. Question: Under the base bid, the LP tanks are furnished by the owner. When this is the case, the supplier normally will furnish and install the piping from tank to tank and then from the tanks to the building. Is this the intent? We would need to know the owners supplier in order to coordinate the scope of work.
 - i. Answer: AE – For the base bid, propane supplier will supply the tanks, piping between the tanks, and piping to building entrance at Area C. Propane supplier is not known at this time. Owner Edit - Propane Supplier will be Dead River. There is no contract in place for this location at this time.
 - b. Question: PS-101 seems to indicate the site contractor furnishes and installs the gas from the manifolded tanks to the building meter entrance also shown on C-106. There is also an underground LP pipe extension from the meter to Area A. Is this to be by the owner's supplier, the site contractor or the plumbing contractor?
 - i. Answer: AE - For the base bid, propane supplier will provide the pipe from the tanks to the building service entrance at Area C. Any other underground propane piping (i.e. piping to CHP's, piping from Area C to Area A) is provided and installed by the Contractor. Contractor is responsible for determining if piping is installed by site contractor or plumbing contractor.
 - c. Question: If ABI 4 is accepted, the Mechanical contractor supplies the tanks and manifolding, but we would still need to know if the site contractor is furnishing and installing the below ground pipe from tanks to entrance and entrance to Area A.
 - i. Answer: AE - Contractor is responsible for providing and installing gas piping between Area C and Area A. Contractor is responsible for determining if piping is installed by site contractor or plumbing contractor.

2. Question: Is it permissible to use 4" ID casing for installing the inclinometers in lieu of 6" ID casing. The 6" casing is difficult to come by and much more difficult to install. We have installed inclinometers in 4" casing successfully and believe it is a suitable approach for this project.
 - a. Answer: AE – Contractor is to install inclinometers in 6-inch casings
3. Question: The Engineer is requiring that SPT's be conducted using spoon samplers. Does the "Engineer" refer to Wood, and if so how do we determine the time for installation if Wood is directing the installation? What is the purpose of the sampling? Can alternative methods such as CPT or direct push be used?
 - a. Answer: AE – Contractor shall have a geotechnical engineer on-site to monitor the installation of instrumentation, that is the engineer referred to in the Geotechnical Monitoring Plan. The purpose of the sampling is to identify the subsurface conditions at each inclinometer and vibrating wire piezometer for proper installation of the instruments. Sampling is to be performed at the discretion of the contractor's geotechnical engineer. Sampling is performed as the instrument boring is advanced, therefore CPT or direct push shall not be used. Only SPT sampling shall be used.
4. Question: If SPT sampling is strictly required, are standard 2" split spoons acceptable for both inclinometers and piezometers. It is unclear in the specifications why 3" split spoons are needed.
 - a. Answer: AE – SPT sampling can be performed with a 2-inch diameter split-spoon samplers in accordance with ASTM D1586. Drillers shall have a 3-inch diameter spoon on site and available for use in cases of poor sample recovery. These are standard pieces of equipment that most drilling contractors will have.
5. Question: A mechanical contractor is asking the following: On page PL123 DHW is shown to be 1 ¼", the continuation on page PL124 is shown as 2". Please clarify.
 - a. Answer: AE – Contractor shall provide and install 2" DHW on sheet PL123.
6. Question: A mechanical contractor is asking the following: Page PL121 note 2 references specification sections 01100 and 221114 these sections cannot be found. Please clarify.
 - a. Answer: AE – Note 2 on sheet PL121 should state: POL DISTRIBUTION SYSTEM IS DELEGATED DESIGN. REFER TO SPECIFICATION SECTIONS 013300 AND 231114.
7. Question: Spec. 412213, Sect 3.7 (4) references mechanical load brake testing. Does that mean that a mechanical load brake is required for this project?
 - a. Answer: AE – Remove section 3.7.4 from specification 412213.13. Bridge crane is not required to have a mechanical load brake.
8. Question: Drawing PL124 does not have compressed air line sizing. Please advise?
 - a. Answer: AE – See redline of PL124 (attached) for compressed air line sizing.
9. Question: Drawing sheet S-002 states that bolted clips must be supplied to secure the rail to the runway beams. It also states that J bolts will not be allowed. Bolted clips are typically used for high capacity (50 ton plus), heavy use cranes. Rails for cranes of this size, with light duty use, are typically secured using J bolts. Would the customer consider J bolts to secure the rail to the runway beams? This would eliminate the need to drill the rails for the bolted clips.
 - a. Answer: AE – Contractor to provide and install bolted rail clips bridge crane rails.
10. Question: Spec. 412213, Sect.2.2 (D), states that the bridge rails will be secured with bolted clips. I believe this is the rail that the trolley will run on? Please confirm. If so, this rail is typically secured with a welded clip. In order to provide a bolted clip, we would need to drill and tap for each clip. Will a welded clip be acceptable?
 - a. Answer: AE – Welded rail clips for the bridge rails described in specification 412213.13 section 2.2.D are acceptable.
11. Question: Spec. Section 412213, Sect 1.3 (B 6 & 7) reference ASME NOG 1 and ASME NUM 1 Standards. These standards are typically required for cranes at Nuclear Facilities. Cranes designed for Nuclear Facilities have a tremendous amount of redundant safety features incorporated into the design. These features add significant cost to the crane. Does this crane need to meet requirements for cranes located at Nuclear Facilities?

- a. Answer: AE – Remove references to ASME NOG 1 and ASME NUM 1 standards from specification 412213.13. Bridge crane does not required to meet these standards.
12. Question: We have received the following from a mechanical contractor: In spec section 221519-4 paragraph 2.6 computer interface cabinet, we are being told they need more information on this in order to price this. Could you please provide more information or a manufacture and model of what

2.6 COMPUTER INTERFACE CABINET

A. Description:

1. Wall mounting.
2. Welded steel with white enamel finish.
3. Gasketed door.
4. Grounding device.
5. Factory-installed, signal circuit boards.
6. Power transformer.
7. Circuit breaker.
8. Wiring terminal board.
9. Internal wiring capable of interfacing 20 alarm signals.

they are requiring? See below. Thanks

- a. Answer: AE – Remove section 2.6 from specification 221519. Contractor is to provide manufacture's standard controls for the air compressor. Contractor is to also provide and install a BACS interface unit meeting the requirements of specification 230900 to allow the air compressor to communicate to the BACS.
13. Question: Specification section 221519, page 4, paragraph 2.6, Computer Interface Cabinet: We are being told they need more information in order to price this. Could you please provide more information, or a manufacture and model of what is required?

2.6 COMPUTER INTERFACE CABINET

A. Description:

1. Wall mounting.
2. Welded steel with white enamel finish.
3. Gasketed door.
4. Grounding device.
5. Factory-installed, signal circuit boards.
6. Power transformer.
7. Circuit breaker.
8. Wiring terminal board.
9. Internal wiring capable of interfacing 20 alarm signals.

- a. Answer: AE – Remove section 2.6 from specification 221519. Contractor is to provide manufacture's standard controls for the air compressor. Contractor is to also provide and install a BACS interface unit meeting the requirements of specification 230900 to allow the air compressor to communicate to the BACS.
14. Question: Can you ask for an bid extension?
- a. Answer: Owner – The bid has already been extended by 1 week. There will be no further extensions.

Drawing Items:

PL124 CA Redline 20220714.pdf

Attachments:

Addendum 6 Bid RFI Log 14 July 2022.pdf
Files Transmitted via DoD SAFE 14 July 2022.pdf
PL124 CA Redline 20220714.pdf

RFI Log	Company	RFI	Asked	Answer	AE/Owner	Answered	Addendum
0	Owner	RFI/Clarification General Notes (GN1)					
1		Alternates and Substitutions		Any references in these RFI questions and answers to any specific manufacturer, make, model, etc. are provided as a basis of bid. Alternates and substitutions are acceptable provided they meet the design requirements as stated in the plans and specifications, and are approved through the submittal process after contract award and prior to installation. Owner		30-Jun	Add3GN1
1	Grondin	<p>Can the Civil CAD files be made available to all bidders pre-bid with the completion of a CAD Release Form? CAD file should include original ground data and all proposed design data used to create the bid plans for the civil portion of the project. This will facilitate accuracy and time saving in the preparation of the bid helping to ensure the most competitive pricing and complete scope of work for the owner. If allowed, release of the CAD file should be as soon as possible as it will be used to complete the quantity takeoff for the bid.</p>	16-Jun	AE - Civil CAD files transmitted from Wood to DVEM via DoD SAFE. Owner - Electronic File Release Agreement provided in Specification and in Addendum 1.	AE/Owner	21-Jun	Add 1Q2
	Grondin	<p>Could you please provide direction and clarification on the following question: Preload Sequence note 9 on Sheet C-101-A states the following:</p> <p>9. INSTALL LOWER GEOGRID LAYER WHERE REQUIRED AND PRE-CUT HOLES IN GEOGRID TO ALLOW FOR PENETRATION OF WICK DRAINS, GEOTECHNICAL INSTRUMENTS, AND DOWNHOLE TOOLING. INSTALL THE PRELOAD DRAINAGE COURSE 12-INCH THICK IN WICK DRAIN AREAS.</p> <p>Additionally, Note 3 on Sheet C-101-A adds the following:</p> <p>3. CONTRACTOR SHALL PRE-CUT HOLES IN LOWER GEOGRID LAYER FOLLOWING INSTALLATION TO ALLOW WICK DRAINS AND INSTRUMENTATION TO PENETRATE GEOGRID WITHOUT CAUSING DAMAGE TO THE GEOGRID. MAXIMUM HOLE SIZE CUT IN THE GEOGRID SHALL BE LIMITED TO A REASONABLE SIZE TO ACCOMMODATE INSTALLATION EQUIPMENT AND/OR DOWNHOLE TOOLING. CONTRACTOR SHALL PROVIDE MEANS TO LOCATE AND VERIFY PRE-CUT LOCATIONS PRIOR TO WICK DRAIN AND INSTRUMENT INSTALLATION.</p> <p>Often times with wick installation, the wick may fail to "stick" in the soil strata below the marine clay. This sometimes causes the wick to need to be slightly relocated. If this situation occurs the new location may not have the geo-grid cut to accept the mandrel and wick drain at the new location. Please give direction on the size hole that we are to cut in the geogrid at the proposed location and the procedure required if a relocation of a wick drain is moved out of this pre-cut location.</p>	16-Jun	AE - A 12" maximum hole size is allowed in the geogrid to for wick relocation. Larger holes will impact the integrity of the geogrid. If a larger offset is required, the cover material will need to be removed to cut a new smaller hole. The understanding is that this would be a relatively infrequent occurrence.	AE	21-Jun	Add 1Q1

3 Sheridan	<p>- In the structural notes it calls for slabs to be 4,000 psi, which is normal, but the next paragraph asks for the concrete to have a minimum flexural strength of 560 psi, which is normal for a tarmac, but not for a floor. All I know about 560 flex is that it is an 1-1/2" mix with a lot more stone in it than normal and placed at a 2" slump. The plans I saw at this point were a 4" and 6" floor which would be very difficult to place this and finish. Is this a mistake?</p>	17-Jun	Flexural strength for concrete slabs should be 424 psi	AE	24-Jun Add 2Q1
4 Sheridan	<p>- Unit Prices 012200-3.1 lists a schedule of unit prices, but the unit prices do not appear on the bid form. Will these be submitted prior to the bid opening, or after the fact? Also, the alphabetical sorting of unit prices duplicates a couple of letters (example a, b, c, d,c, d, e...)</p>	20-Jun	<p>Owner - Disregard the discussion about unit prices that occurred at the Pre-bid meeting. The Section 01 22 00, Unit Prices is deleted as part of Addendum No 2. Unit prices will not be required to be provided. Please refer to Section 00 63 63 Change Order Forms and Section 01 26 00 Contract Modification Procedures.</p>	Owner	24-Jun Add 2Q2
5 Sheridan	<p>- There was conversation at the pre-bid conference regarding material/consumable escalation with consideration of the +/- two year project completion timeframe. Will any justifiable adjustment be considered after the successful bidder is determined, and/or at the time of material installation?</p>	20-Jun	<p>Conversation at the pre-bid was about Unit Prices and not the original base scope of work. For the original scope Base Bid and ABIs, the answer is No. BGS does not allow cost variations since this is a lump sum, fixed price contract. There is no escalation clause, and escalation will not be considered. With regard to the Unit Prices, the Section 01 22 00, Unit Prices is deleted as part of Addendum No 2. Unit prices will not be required to be provided. Please refer to Section 00 63 63 Change Order Forms and Section 01 26 00 Contract Modification Procedures.</p>	Owner	24-Jun Add 2Q3
6 Cianbro	<p>1. Base bid includes galvanized metal deck for the roof. Alternate No. 9 "ABI #9 – Paint Exposed Roof Framing Sect. 012300 Para. 3.1M" notes "Field finish paint exposed steel roof framing and metal deck at locations indicated on the drawings AF101 through AF104." If Alternate No. 5 "ABI #5 Acoustical Metal Roof Deck" was selected, and understanding that paint may bridge and cover the holes in the Acoustical Metal Deck, are we to paint the exposed Acoustical Metal Deck if ABI# 5 and #9 are selected?</p>	21-Jun	<p>Yes, the intent is to paint the acoustical metal deck if both ABI #5 and #9 are selected</p>	AE	24-Jun Add 2Q4
7 Ducas	<p>The project specification is requesting a fire rated glazing per ASTM E119 into operable frames. This ASTM reference is not allowed in operable frames, but rather fixed curtainwall type structures. Please confirm glazing spec for fire rated glazing and call outs at locations</p>	21-Jun	<p>Fire-resistance-rated glazing complying with ASTM E119 is not required. Fire-protection-rated glazing is permitted, tested in accordance with NFPA 259 or UL 9, including hose-stream test, and shall comply with NFPA 80.</p> <p>Refer to door schedule (see types and ratings) for locations requiring fire-protection-rated glazing. Refer to window schedule for locations requiring fire-protection-rated glazing; glazing type GL-3 shall be 45-minute fire rated.</p>	AE	24-Jun Add 2Q5
8 AIS	Revised LEED Spec Provided	22-Jun	Included in ADD 2	AE/Owner	24-Jun Add 2Q6

9 Shaw	<p>In reviewing the plans and specifications, It calls for subbase gravel to be MDOT Type D Gravel. Specification section 312000 part 2.1 Soil Materials part D. lists Aggregate Subbase Gravel as “MDOT Type D with at least 90% passing the 1-1/2” sieve and not more than 12% passing the No. 200 sieve.” This is not the standard MDOT Type D gravel gradation specification. Please advise if Aggregate Subbase Gravel is MDOT Type D or is it as modified in the specifications. If it is as modified please furnish the complete aggregate subbase gravel gradation that is required for this project?</p>	2 Aggregate Subbase should shall (edit by owner) be MDOT Type D.	AE	24-Jun Add 2Q7
10 Shaw	<p>In the Geotechnical Evaluation Report Section 6.2 Temporary Surcharge, bulletin 6 calls states “Wick drains should fully penetrate the marine clay deposit. A drainage layer should be placed over the native subgrade soils to facilitate drainage of water away from the surcharge area. The drainage layer should consist of 18” of crushed stone or structural fill.” The details (54, 57, 59) shown on plan sheet C-508 show a 12” thick drainage layer. Can this be clarified?</p>	Drainage layer should shall (edited by Owner) be 12” minimum.	AE	24-Jun Add 2Q8
11 Blane Casey	<p>We have received the following from a window treatment contractor:</p>	22-Jun		
1	<p>1) Specs say AT EXTERIOR WINDOWS also states Single Flexshades and Dual Flexshades Which is wanted and Where ?</p>	Single-roller shades are not required. All shades at exterior windows shall be double-roller shades.	AE	24-Jun Add 2Q9a
2	<p>2) Confirm if Side & Sill channels are wanted AND where</p>	Side and sill channels are required per Spec Section 122413, 2.3.I; this applies to all shade locations.	AE	24-Jun Add 2Q9b
3	<p>3) AE103 -- First Floor C area - Is this the only area getting window treatments? Please confirm I found: Type A ---- 7, Type B --- 3, Type D ---- 2</p>	The intent is for all exterior windows to receive roller shades. Exterior windows are located in Areas C and D. Refer to floor plans for window locations and types.	AE	24-Jun Add 2Q9c
12 Ducas	<p>There is a contradiction of approach to providing slope stabilization. The Geotechnical Evaluation Report references an approach using driven steel piles and lagging or a solid grouted wall. The subsequent Geotechnical Monitoring Document and supported by the drawings Fig-M1 and Fig M2 call for slope stabilization through the use of geotextile Grid. Please confirm only the geogrid shall be used as the approved method of slope stabilization?</p>	The only slope stabilization required is the geogrid shown on the design drawings.	AE	27-Jun Add 3Q1

13	Cianbro	1. Pre-Bid Conference Agenda, dated June 16, 2022 Item B.4.e notes "Deadline for Bid RFI's8 July 2022, 12:00 noon" and Item B.4.f "Final Addendum issued.....11 July 2022, 12:00 noon". Addendum No. 1, dated June 21, 2022 "Notice of Bid Opening Extension.....has been extended to July 21, 2022." Should we assume RFI Due date is commensurate with the Bid Extension and Deadline for RFI's will now be July 15, 2022 at 12:00 noon with Final Addendum Issues July 18, 2022 at 12:00 noon?	23-Jun	Deadline for Bid RFIs will be 15 July. "Deadline for Bid RFI's8 July 2022, 12:00 noon" and Item B.4.f "Final Addendum issued.....11 July 2022, 12:00 noon".	Owner	24-Jun Add 2Q10
14	Sargent	Request for Civil CAD Files	24-Jun	Sent by DoD Safe	Owner	24-Jun Add 2Q11
15	Cianbro	On plan sheet AF 103, Floor Finish for Rooms 128B, 192, 129B, 129A and 129 are all listed as ER. Room 128A Male Locker Room floor finish is listed as EP. Can you confirm if Room 128A should be corrected to floor finish ER to match remaining room areas?	24-Jun	Contractor to provide and install floor finish type ER in Male Locker Room 128A.	AE	27-Jun Add 3Q2
16	Cianbro	On plan sheet AF 103, Base Finish for Rooms 128A, 128B, 192, 129B, 129A and 129 are all listed as ER. Room 128 Male Latrine Floor and Base Finish are listed as EP. Can you confirm if Room 128 should be corrected to Floor and Base finish ER to match remaining room areas?	24-Jun	Contractor to provide and install floor finish type ER and base finish type ER in Male Latrine Room 128.	AE	27-Jun Add 3Q3
17	Cianbro	Drwg. AE 123 Keyed Note 1 -"Moisture Resistant Gypsum Board" is labeled in Rooms 128A, 128B, 129A and 129B. Drwg. AF 103 lists Rooms 128A and 129A as ACT-2 Ceiling Finish. Can you clarify the desired finish within these rooms and designate a line where Moisture Resistant Gypsum Board and the ACT-2 ceilings should occur?	24-Jun	On AE123, delete Keyed Note 1 from Male Locker Room 128A and Female Locker Room 129A. Contractor to provide and install type ACT-2 ceiling finish in Male Locker Room 128A and Female Locker Room 129A. Contractor to provide and install moisture resistant gypsum board ceiling finish in Male Shower Room 128B and Female Shower Room 129B.	AE	27-Jun Add 3Q4
18	Grondin	There appears to be confusion and contradiction between the plan sheets and the specifications in regards to the pump station shown on plan sheet C-503. The following comments and questions below are submitted from a pump station supplier:	24-Jun			

		Contractor shall follow the requirements of specification 221343. Replace section 2.1 of specification 221343 with the following:		
		2.1 WET-WELL, PACKAGED SEWAGE PUMPING STATIONS A. Wet-Well, Packaged Sewage Pumping Stations with Submersible Grinder Sewage Pumps: 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include: a. ParkUSA. b. Weil Pump. c. Zoeller Pump Co. d. Liberty Pumps. 2. Description: Factory fabricated, assembled, and tested with wet well for sewage pumps and collection of sanitary sewage and with dry equipment chamber for controls and accessories. a. Orientation: Shell underground with top flush with grade b. Shell: Factory fabricated from fiberglass or concrete 3. Capacities and Characteristics: a. Diameter of Shell: As Indicated on Drawings b. Height of Shell Base Section: As Indicated on Drawings c. Inlet Pipe Size: As Indicated on Drawings d. Discharge Pipe Size: As Indicated on Drawings e. Sewage Pumps: Two f. Each Sewage Pump: 1) Capacity: 50 gpm 2) Total Dynamic Head: 35 ft (39 ft to match RFI Q22A) 3) Impeller: Grinder Type 4) Motor Size: 2 hp 5) electrical Characteristics: 480V, 3-Phase		
A		After reviewing the plans and specifications relevant to the pump station shown on sheet C-503, we would be inclined to follow the plan sheet vs. the written specifications, as the written specifications seem to be written around a suction lift station and the components and requirements of a station constructed as such. Any reference in the NOTES on C-503 referring to written specifications would need to be confirmed as well.	AE	30-Jun Add 3Q5a
B		We can provide Factory Hydraulic Institute Level 2B Performance Testing, if required, but this is not something that is typically done for a small grinder station.	AE	30-Jun Add 3Q5b
	19 Grondin	Questions/Clarifications: Are there specific items within the written specification we need to make sure we address that cross over to a submersible grinder station as shown on the plans, that are not notes on the plan?		
A		24-Jun See response to RFI 18A	AE	30-Jun Add 3Q6a
B		Please confirm relevance of any American Steel requirements, as this station, as drawn will have no steel piping or fittings. Pumps and valves are typically not included in this requirement in the past.	Owner	30-Jun Add 3Q6b
	20 Grondin	As far as Sheet C-503, we have some questions as to the materials and layout as shown. Note 8 on the plan indicates intrinsically safe relays and EY seal-offs		
A		24-Jun With conduits containing seal-offs, it is acceptable to mount the control panel on top of the lift station	AE	30-Jun Add 3Q7a

B		We would suggest mounting panel on bollards approximately 5ft off structure to provide distance from all classified zones, and to provide service technicians an area to work between the panel and the structure Panel is shown to have door open over (open) structure hatch, we would recommend opening away while standing on surrounding grade if panel is to remain on structure as shown	24-Jun	It is acceptable to mount the control panel on a bollard adjacent to the lift station. (Additional Bollards are not Acceptable. Edit by Owner)	AE/Owner	30-Jun Add 3Q7b
C			24-Jun	It is acceptable required (edit by Owner) to mount the control panel such that the door swings away from the structure hatch.	AE/Owner	30-Jun Add 3Q7c
A	21 Grondin	Break-Away-Fitting (BAF) is shown to be 2-1/2" The manufacturer that refers to this as a BAF supplies 2" discharge off base elbow, threaded	24-Jun	Contractor to provide and install manufacturer's standard fittings that allow grinder pumps to be removed without requiring personnel to enter the wet well, and are coordinated with the pump dimensions.	AE	30-Jun Add 3Q8a
A	22 Grondin	2-1/2" Force Main Will the hydraulic calculations for this system allow for 2" piping through the valve pit, and then if needed, to be upsized to 2-1/2" FM so that 2" PVC SCH80 pipe, valves & fittings can be utilized, which are readily available, and in the case of check valves, have more to select from for this type of application	24-Jun	2" piping in the lift station and valve pit is acceptable provided the pump can meet a capacity of 50 gpm with a total dynamic head of 39 feet.	AE	30-Jun Add 3Q9
A	23 Grondin	FM Discharge Piping in structure and valve pit PVC SCH80 fittings are typically glue style fittings (vs. flanged)	24-Jun	Contractor shall be allowed to use solvent cement fittings	AE	30-Jun Add 3Q10a
B		Are 2" Tru-Union Style Ball valves acceptable, which are typical for this type of application?	24-Jun	Contractor shall be allowed to use Tru-Union style ball valves	AE	30-Jun Add 3Q10b
C		Are 2" Flomatic Ball Check valves, either PVC SCH80 or threaded CI acceptable, both of which are typical for this type of application	24-Jun	Contractor shall be allowed to use Flowmatic ball check valves	AE	30-Jun Add 3Q10c
A	24 Grondin	Level controls HydroRanger is referenced on plan, without float back-up Would Keller America Level Rat submersible transmitter or Vega Radar be acceptable, with a 2 or 4 float backup that would automatically switch to float backup if primary analog level control fails, and stay there until user confirms primary 4-20ma analog level system is functional	24-Jun	Keller American Level Rat is an acceptable substitution for the HydroRanger, the Vega Radar is not an acceptable substitution. Contractor to provide and install a (4) float backup system. (Owner Note - Float switch system is preferred to any electronic level system)	AE/Owner	30-Jun Add 3Q11
	25 Grondin	Can All Pumps Off El 49 be increased to 49.5 to provide more pump submergence when mounted on an elevated BAF system to extend life of pump, and/or go with 12.5 ft station (add 6 inches)	24-Jun	Lift station depth can be increased to 12.5 feet if required to extend pump life in accordance with sheet C-503 note 12. All Pumps Off elevation shall remain at 49 feet.	AE	30-Jun Add 3Q12
	26 Grondin	Is there no reserve storage required between the high water alarm and 8" invert		Contractor shall set high level alarm elevation at 51.75 feet	AE	30-Jun Add 3Q13
	27 Grondin	Can you please provide direction and complimentary plans and specifications for the desired pump station?	24-Jun	See response to RFI 18A	AE	30-Jun Add 3Q14

28	Cianbro	Request for Civil CAD Files	24-Jun	Sent by DoD Safe	Owner	24-Jun	Add 2Q12
29	Cianbro	Section 01 22 00 Unit Prices. Are we to provide Unit Prices, as noted in 01 22 00, with Bid Form 00 14 13 at time of Bid or after Notice of Intent to Award?	24-Jun	The Section 01 22 00, Unit Prices is deleted as part of Addendum No 2. Unit prices will not be required to be provided. Please refer to Section 00 63 63 Change Order Forms and Section 01 26 00 Contract Modification Procedures.	Owner	24-Jun	Add 2Q13
30	Shaw Bros	I have received several questions in regards to the pump station on this project. Apparently numerous items are vague in description. See the list of questions below from a pump station supplier.	27-Jun				
A		Is this an underground pump station/valve pit (plan dwg) or an above ground suction pump station (specs)?	27-Jun	See response to RFI 18A	AE	30-Jun	Add 3Q15a
B		Pump conditions- duty points, gallons per minute @ what head?	27-Jun	See response to RFI 18A	AE	30-Jun	Add 3Q15b
C		Site voltage and phase for station?	27-Jun	See response to RFI 18A	AE	30-Jun	Add 3Q15c
D		Any specific brand pump if submersible (plan dwg)?	27-Jun	See response to RFI 18A	AE	30-Jun	Add 3Q15d
E		Control panel? Spec looks basic, off the shelf. Is this correct?	27-Jun	Control panel shall meet the requirements of specification 221343, and provide control point output for High Level Alarm and Pump Fault as shown on drawing M-651	AE	30-Jun	Add 3Q15e
31	Cianbro	Spec section 10 11 00 Visual Display Units, item 1.8.A.2 Warranty Period is given as 50 years from the date of Substantial Completion. Please confirm the length of the Warranty Period.	28-Jun	Contractor to provide and install markerboard panels with porcelain-enamel face sheet writing surfaces which have a manufacturer's warranty of either the life of the building or 50 years from the date of Substantial Completion for failures in materials or workmanship. This is a common manufacturer's warranty period and is available from multiple manufacturers.	AE	30-Jun	Add 4Q2
32	Cianbro	Section 3.10 of Masonry Spec. 042000 notes Field Quality Control and lists standard inspection and testing requirements for mortar tests and grout tests. The specification does not mention the frequency or quantity of desired field tests. Could you clarify the frequency or minimum quantity of tests and desired frequency?	28-Jun	Contractor shall test mortar every day for the first three days of masonry work, and a minimum of one test every week thereafter. Contractor shall perform one grout test for each mix design used each day grout is placed, and perform an additional test for each 5,000 square feet of masonry wall area after the first 5,000 square feet. Additional test of mortar and grout shall be required whenever there are any change in materials or job conditions.	AE		Add 3Q16
33	Cianbro	Spec. Section 019119.43, Sections 3.30 and 3.40. Will Owner's Commissioning Agent perform the Testing and Inspection for the Article 3.3 First Installation Mockup Testing and 3.4 Building Enclosure Testing?	28-Jun	In each section referenced in this question, the Statement "Testing Agency: Engage a qualified testing agency to perform tests and inspections." Requires the General Contractor to engage the Testing Agency to perform this work. The Testing Agency referenced here is NOT the Owners Commissioning Agent.	Owner		Add 4Q8

34 Shaw	Project specification 312000 Earth Moving part 2 2.1L Preload Fill states "Use Aggregate Subbase Gravel". Plan sheet C-508 detail 59 calls out permanent fill and preload fill to be "aggregate subbase gravel". Geotechnical Report section 5.3 paragraph 7 (pg 5-4) states Surcharge heights recommended herein are based on using granular soil with a compacted, in-place moist unit weight of 125 pcf for both the permanent fill and the surcharge. Please confirm that the preload fill is to be aggregate subbase gravel per the plans and specifications.	Preload fill shall be Aggregate Subbase as defined by specification section 312000.	AE	30-Jun Add 4Q3
35 Shaw	The geotechnical report section 6.4 calls for structural fill under the buildings and the specifications (312000 part 3 3.13 B) calls for aggregate subbase gravel. Please confirm that structural fill is not required.	Fill under building shall be Aggregate Subbase as defined by specification section 312000.	AE	30-Jun Add 4Q4
36 Blane Casey	1. Drawings show the layout of lube systems but spec's indicate design build. Is the lube oil system design build, or being furnished and installed by owner? If it is a design build system it would be great if we could get more information on the tank and piping sizes they are looking for on each system. What brand and model of hose reels and hose sizes, Nozzle brand and model, Pump brand and models.	The POL system (lube oil etc.) is a delegated design to the contractor. The layout shown is indicate where the POL drums are located and hose reels are located. Final sizing and layout shall be completed by the contractor. Contractor shall select a brand/model that meets Specification Section 231114 – Lube Oil and Antifreeze Distribution System design requirements and provides a complete and function system.	AE	6-Jul Add 5Q1
37 Blane Casey	1. On drawing PL502 detail C1 hose reels it references drawing PL124. Are we to include hose reels at these locations? If so what brand and model will be required? Hose size and length will also be required?	Remove reference to PL124 on detail C1/PL502. Do not provide POL system for Area D of the building.	AE	6-Jul Add 5Q2
38 Cianbro	D1 & Window Schedule on AE 614 do not match on Window Type C dimensions. Please clarify.	Provide and install Window Type C with dimensions in accordance drawing D1/AE614.	AE	5-Jul Add 4Q9
39 Cianbro	Addendum No. 1, S-121 added columns along Line 1.9 at lines b, B.5, C and D. AE-101 indicates references D1. D3 & D5 / AE534, which indicated surrounding columns with LGMF and GWB 8'0 AFF. Is there any special detail or treatment to these columns and the remaining columns within Rm 113 from finished floor to 8'-0 AFF?	Referenced details at columns along Line 1.9 are noted as "SIM." At these similar locations, eliminate the gypsum board column wrap full height of the columns. Above 8'-0" AFF, provide and install gypsum board and FRP wall finish extending into the corners behind the columns, as a continuation of the adjacent wall finish. Provide full height painted finish for these columns and the remaining columns in Room 113.	AE	5-Jul Add 4Q10
40 Cianbro	Addendum No. 1, Contract Bid Form 00 41 13, added Alternate Bid Item 15 Wash Pad Enclosure. Should there be an alternate to address "Acoustical Metal Roof Deck" as indicated in ABI #5 for the Base Contract?	Contractor shall provide and install galvanized and shop primed wide-rib metal roof deck for the Wash Pad cover bid alternate. There is no option for acoustic metal roof deck within the Wash Pad Cover ABI.	AE	30-Jun Add 4Q5
41 Cianbro	A2/AE212 indicates a 1'x2' Bench within Room 129B. C3/AE401 does not indicate a 1'x2' Bench within Room 129B. Please clarify.	A bench is not required in Room 129B. Provide and install a 12"x60" bench (tag TA-15 on AE212) in Room 129A.	AE	5-Jul Add 4Q11

42	Cianbro	Addendum No. 1, Contract Bid Form 00 41 13, added Alternate Bid Item 15 Wash Pad Enclosure. Should there be an alternate to address "Paint Exposed Roof Framing and Metal Deck" as indicated in ABI #9 for the Base Contract?	30-Jun	Contractor shall finish paint exposed roof framing and metal deck within the Wash Pad enclosure, and include the price as part of ABI #15.	AE	30-Jun Add 4Q6
43	Cianbro	Please clarify extent (height) of wire mesh partition shown in Detail A1/AE302. Can you provide a cut through Building C along the 12 line to provide additional information for the Wire Mesh Partitions?	30-Jun	Provide and install full height wire mesh partitions in locations shown on A1/AE103. Extend wire mesh partitions from floor slab to underside of roof structure and following the slope of the roof to provide a secure enclosure without steps or gaps at the roof line. The roof height and slope along Line 12 are the same as shown in Section A1/AE302.	AE	5-Jul Add 4Q12
44	Cianbro	On AE123, Rooms 122, 122A, 132A, & 132B all have "9'-0" AFF" listed below their room number, yet notes stating "Open to Above". On AF103, these rooms are all indicated to have an "Exposed" Ceiling Finish. Please clarify what the 9'-0" AFF signifies.	30-Jun	Provide Rooms 122, 122A, 132A, & 132B "Open to Above," exposed to overhead structure. The ceiling height references to 9'-0" AFF on AE123 are not required.	AE	5-Jul Add 4Q13
45	Grondin	The geotechnical report section 6.4 bullet 1 states, "Structural Fill should be placed as permanent fill or backfill above, below and adjacent to the isolated column footings, continuous strip footings and foundation walls." Bullet 5 defines Structural Fill as MDOT 703.22 "Underdrain Backfill Material " Type B.	30-Jun	Foundation backfill shall be Aggregate Subbase Gravel in accordance with specification 312000	AE	5-Jul Add 4Q14
46	Grondin	Specification section 312000 Earth Moving Paragraph 2.1 Soil Materials does not reference Structural Fill or MDOT 703.22 "Underdrain Backfill Material " Type B. Furthermore, starting with Paragraph 3.11 – Backfill and continuing to the end of the specification, there is no section or mention of backfilling foundation footings and walls at all.	30-Jun	Foundation backfill shall be Aggregate Subbase Gravel in accordance with specification 312000	AE	5-Jul Add 4Q15
47	Grondin	In addition to, and in conjunction with previously asked questions concerning the specified material type for permanent and preload fills, will structural fill be required for foundation backfill or will that material also be aggregate subbase gravel?	30-Jun	Foundation backfill shall be Aggregate Subbase Gravel in accordance with specification 312000	AE	5-Jul Add 4Q16
48	Blane Casey	We received Addenda 01 & 02 from Ralph Turner, but I see the PreBid Minutes states addenda will be coming from Sherrill Hallett.	30-Jun	Due to the volume, size, and complexity of Bid RFIs, the addenda are being issued and tracked by the Owner Project manager, Ralph Turner. Owner Contract Specialist is copied on all addenda.	Owner	30-Jun Add 4Q7
49	Owner	The following clarifications are directed to all registered plan holders to answer some questions that have come up.				

A	DoD Safe notifications (NoReplyto@mail.mil) may appear to be junk email.	The addenda are being distributed through DoD Safe which is a government system similar to DropBox or other commercial solutions for distribution of large electronic files. When you receive an email DoD Safe notification that there are files addressed to you, you will see in your email inbox a message saying NoReplyto@mail.mil. Some registered plan holders have mistaken this for spam or junk email. This email includes a link to the page where you can download the Addendum along with codes you will need to enter to authenticate yourself.	Owner	1-Jul Add 4Q1A
B	Within DoD Safe, ensure that all files are selected for download.	Once in DoD Safe you can download all files or just individual files. Make sure you select the option to download all files. You will receive one large zip file. The addendum page lists the attachments associated with that addendum. It is your responsibility to verify that you have received all files.	Owner	1-Jul Add 4Q1B
C	Bidders are responsible to distribute all addenda within your company.	In some cases, files are being picked up by individuals who are not the people who signed the pre-bid sign in sheet. I am verifying that someone from each company collected each addendum, but I cannot verify how, or if the files are distributed within your company. It is the responsibility of each company bidding the project to verify that each addendum is received, and to control how the addenda are distributed within your company.	Owner	1-Jul Add 4Q1C
D	Plan Holders who do not intend to bid.	Some registered plan holders have indicated that they do not intend to participate in this bid. Unfortunately we are required to distribute all addenda to all registered plan holders regardless of if they have notified us that they do not intend to bid. I apologize if this is an inconvenience. Once this bid is opened, you will receive no further emails from us.	Owner	1-Jul Add 4Q1D
50 Cianbro	Ref. B1/S-505, Exterior Bollards shown at Doors 113.2, 113.3, 114.2, 114.3, 112.1, 110.1 and 111.1. Although not shown, should there be B1/S-505 Interior Bollards at Doors 112.1, 110.1, 111.1, 114.2 and 114.3?	Do not provide interior bollards for doors 112.1, 110.1, 111.1, 114.2, and 114.3.	AE	8-Jul Add 5Q4
51 Cianbro	AE-103, should there be interior bollards at Door 122.2?	Do not provide interior bollards for door 122.2	AE	8-Jul Add 5Q5
52 Cianbro	AE-104, should there be any interior bollards at Door 139.1 Eat Side in Room 139?	Do not provide interior bollards for door 139.1	AE	8-Jul Add 5Q6
53 Cianbro	Ref. S-701, Column Schedule. We have had requests from steel fabricators inquiring is there will be a revised column schedule issued to reflect the changes made in Addendum No. 1 for Alternate Bid Item No. 15?	Column schedule will be revised in the Issued for Construction set which will be provided to the successful bidder.	AE	8-Jul Add 5Q7

54	Optimum	Question regarding the roof assembly - Section 061600, paragraph 2.7.A.3 indicates 7/16 fire-treated OSB at insulated roof panels. Please clarify if the intent is 1/2" fire treated plywood per the details on AE531. 7/16 OSB is typically not available as a fire treated product.	6-Jul	Contractor shall provide and install fire retardant treated sheathing. If 7/16" fire retardant treated OSB is not available, 1/2" fire retardant treated plywood is acceptable	AE	8-Jul	Add 5Q8
55	CorrTech	We have reviewed all the project documents for the Joint Vehicle Maintenance Facility. We have the cathodic protection specification section for the steel firewater storage tank. We do not see a detail for the dimensions of the proposed tank. We would need that information in order to design/price a cathodic protection system. Can you clarify for me where we can find the proposed firewater storage tank details?	7-Jul	Approximate tank dimensions are 22-foot diameter with a 32-foot shell height, see detail A4 on sheet FP501. Exact tank dimensions may vary based on selected manufacturer's standard tank sizes.	AE	11-Jul	Add 5Q10
56	Gorham Sand & Gravel	Request for Civil CAD Files	7-Jul	Sent by DoD Safe	Owner	8-Jul	Add 5Q3
57	Cianbro	Ref. C-104.A Wash Pad Aprons for ABI #2A and Work Pad Aprons for ABI #2B are detailed on 12/C-502. Is the embedded galvanized 4 x 4 x 3/8" angle required on all three (3) sides of each pad (less the edge against the building foundation) or is angle only required on the leading edge of the slabs?	8-Jul	Provide and install L4x4x3/8 edge angle on all edges that are not directly against the building.	AE	11-Jul	Add 5Q9
58	Blane Casey	LP Tanks					
A		Under the base bid, the LP tanks are furnished by the owner. When this is the case, the supplier normally will furnish and install the piping from tank to tank and then from the tanks to the building. Is this the intent? We would need to know the owners supplier in order to coordinate the scope of work.	11-Jul	For the base bid, propane supplier will supply the tanks, piping between the tanks, and piping to building entrance at Area C. Propane supplier is not known at this time. Owner Edit - Propane Supplier will be Dead River. There is no contract in place for this location at this time.	AE		Add 6Q1A
B		PS-101 seems to indicate the site contractor furnishes and installs the gas from the manifolded tanks to the building meter entrance also shown on C-106. There is also an underground LP pipe extension from the meter to Area A. Is this to be by the owner's supplier, the site contractor or the plumbing contractor?	11-Jul	For the base bid, propane supplier will provide the pipe from the tanks to the building service entrance at Area C. Any other underground propane piping (i.e. piping to CHP's, piping from Area C to Area A) is provided and installed by the Contractor. Contractor is responsible for determining if piping is installed by site contractor or plumbing contractor.	AE		Add 6Q1B
C		If ABI 4 is accepted, the Mechanical contractor supplies the tanks and manifolding, but we would still need to know if the site contractor is furnishing and installing the below ground pipe from tanks to entrance and entrance to Area A.	11-Jul	Contractor is responsible for providing and installing gas piping between Area C and Area A. Contractor is responsible for determining if piping is installed by site contractor or plumbing contractor.	AE		Add 6Q1C

59	Ducas	Is it permissible to use 4" ID casing for installing the inclinometers in lieu of 6" ID casing. The 6" casing is difficult to come by and much more difficult to install. We have installed inclinometers in 4" casing successfully and believe it is a suitable approach for this project.	12-Jul Contractor is to install inclinometers in 6-inch casings	AE	13-Jul Add 6Q2
60	Ducas	The Engineer is requiring that SPT's be conducted using spoon samplers. Does the "Engineer" refer to Wood, and if so how do we determine the time for installation if Wood is directing the installation? What is the purpose of the sampling? Can alternative methods such as CPT or direct push be used?	12-Jul Contractor shall have a geotechnical engineer on-site to monitor the installation of instrumentation, that is the engineer referred to in the Geotechnical Monitoring Plan. The purpose of the sampling is to identify the subsurface conditions at each inclinometer and vibrating wire piezometer for proper installation of the instruments. Sampling is to be performed at the discretion of the contractor's geotechnical engineer. Sampling is performed as the instrument boring is advanced, therefore CPT or direct push shall not be used. Only SPT sampling shall be used.	AE	13-Jul Add 6Q3
61	Ducas	If SPT sampling is strictly required, are standard 2" split spoons acceptable for both inclinometers and piezometers. It is unclear in the specifications why 3" split spoons are needed.	12-Jul SPT sampling can be performed with a 2-inch diameter split-spoon samplers in accordance with ASTM D1586. Drillers shall have a 3-inch diameter spoon on site and available for use in cases of poor sample recovery. These are standard pieces of equipment that most drilling contractors will have.	AE	13-Jul Add 6Q4
62	Blane Casey	A mechanical contractor is asking the following: On page PL123 DHW is shown to be 1 1/4", the continuation on page PL124 is shown as 2". Please clarify.	12-Jul Contractor shall provide and install 2" DHW on sheet PL123.	AE	14-Jul Add 6Q5
63	Blane Casey	A mechanical contractor is asking the following: Page PL121 note 2 references specification sections 01100 and 221114 these sections cannot be found. Please clarify.	12-Jul Note 2 on sheet PL121 should state: POL DISTRIBUTION SYSTEM IS DELEGATED DESIGN. REFER TO SPECIFICATION SECTIONS 013300 AND 231114.	AE	14-Jul Add 6Q6
64	Cianbro	Spec. 412213, Sect 3.7 (4) references mechanical load brake testing. Does that mean that a mechanical load brake is required for this project?	12-Jul Remove section 3.7.4 from specification 412213.13. Bridge crane is not required to have a mechanical load brake.	AE	14-Jul Add 6Q7
65	Cianbro	Drawing PL124 does not have compressed air line sizing. Please advise?	12-Jul See redline of PL124 for compressed air line sizing.	AE	14-Jul Add 6Q8
66	Cianbro	Drawing sheet S-002 states that bolted clips must be supplied to secure the rail to the runway beams. It also states that J bolts will not be allowed. Bolted clips are typically used for high capacity (50 ton plus), heavy use cranes. Rails for cranes of this size, with light duty use, are typically secured using J bolts. Would the customer consider J bolts to secure the rail to the runway beams? This would eliminate the need to drill the rails for the bolted clips.	12-Jul Contractor to provide and install bolted rail clips bridge crane rails.	AE	14-Jul Add 6Q9

67	Cianbro	<p>Spec. 412213, Sect.2.2 (D), states that the bridge rails will be secured with bolted clips. I believe this is the rail that the trolley will run on? Please confirm. If so, this rail is typically secured with a welded clip. In order to provide a bolted clip, we would need to drill and tap for each clip. Will a welded clip be acceptable?</p>	<p>Welded rail clips for the bridge rails described in specification 412213.13 section 2.2.D are acceptable.</p>	AE	14-Jul Add 6Q10
68	Cianbro	<p>Spec. Section 412213, Sect 1.3 (B 6 & 7) reference ASME NOG 1 and ASME NUM 1 Standards. These standards are typically required for cranes at Nuclear Facilities. Cranes designed for Nuclear Facilities have a tremendous amount of redundant safety features incorporated into the design. These features add significant cost to the crane. Does this crane need to meet requirements for cranes located at Nuclear Facilities?</p>	<p>Remove references to ASME NOG 1 and ASME NUM 1 standards from specification 412213.13. Bridge crane does not required to meet these standards.</p>	AE	14-Jul Add 6Q11
69	Blane Casey	<p>We have received the following from a mechanical contractor: In spec section 221519-4 paragraph 2.6 computer interface cabinet, we are being told they need more information on this in order to price this. Could you please provide more information or a manufacture and model of what they are requiring? See below. Thanks</p> <p>2.6 COMPUTER INTERFACE CABINET</p> <p>A. Description:</p> <ol style="list-style-type: none"> 1. Wall mounting. 2. Welded steel with white enamel finish. 3. Gasketed door. 4. Grounding device. 5. Factory-installed, signal circuit boards. 6. Power transformer. 7. Circuit breaker. 8. Wiring terminal board. 9. Internal wiring capable of interfacing 20 alarm signals. 	<p>Remove section 2.6 from specification 221519. Contractor is to provide manufacture's standard controls for the air compressor. Contractor is to also provide and install a BACS interface unit meeting the requirements of specification 230900 to allow the air compressor to communicate to the BACS.</p>	AE	14-Jul Add 6Q12

Specification section 221519, page 4, paragraph 2.6,
Computer Interface Cabinet: We are being told they need
more information in order to price this. Could you please
provide more information, or a manufacture and model of
what is required?

2.6 COMPUTER INTERFACE CABINET

A. Description:

1. Wall mounting.
2. Welded steel with white enamel finish.
3. Gasketed door.
4. Grounding device.
5. Factory-installed, signal circuit boards.
6. Power transformer.
7. Circuit breaker.
8. Wiring terminal board.
9. Internal wiring capable of interfacing 20 alarm signals.

Remove section 2.6 from specification 221519. Contractor is to
provide manufacture's standard controls for the air
compressor. Contractor is to also provide and install a BACS
interface unit meeting the requirements of specification
230900 to allow the air compressor to communicate to the

70 Sheridan

13-Jul BACS.

AE

14-Jul Add 6Q13

71 Blane Casey

Our reinforcing supplier is asking the following: SITEWORK
– CONC. SIDEWALK SHEET C502 - no wwff or bars called
out - Are sidewalks fibermesh ? Please advise - if wwff
need size & ga. / bars size and spacing

14-Jul

AE

Add 7Qx

72 Blane Casey

I spoke with Fume-A-Vent on the vehicle exhaust fans and
hose reels, the fan sizes of FEF-2,3,4,5 are not large enough
to handle the 3 hose reels they are connected to at the
same time. Are they intending on using 1 reel at a time? If
not they will need larger fans & larger ducting. If so they
will need some type of damper system. At this time there is
no parts to connect to the tailpipes either.

14-Jul

AE

Add 7Qx

73 Blane Casey

Regarding the Alternates for the concrete aprons: Sitework -
concrete aprons 12/c502 for alt's 2a & 2b There is
nothing shown for reinforcing in slabs. Please advise if
any reinforcing is required. " size and spacing or wwff size &
ga. "

14-Jul

AE

Add 7Qx

74 Blane Casey

Can you ask for an bid extension?

The bid has already been extended by 1 week. There will be no
14-Jul further extensions.

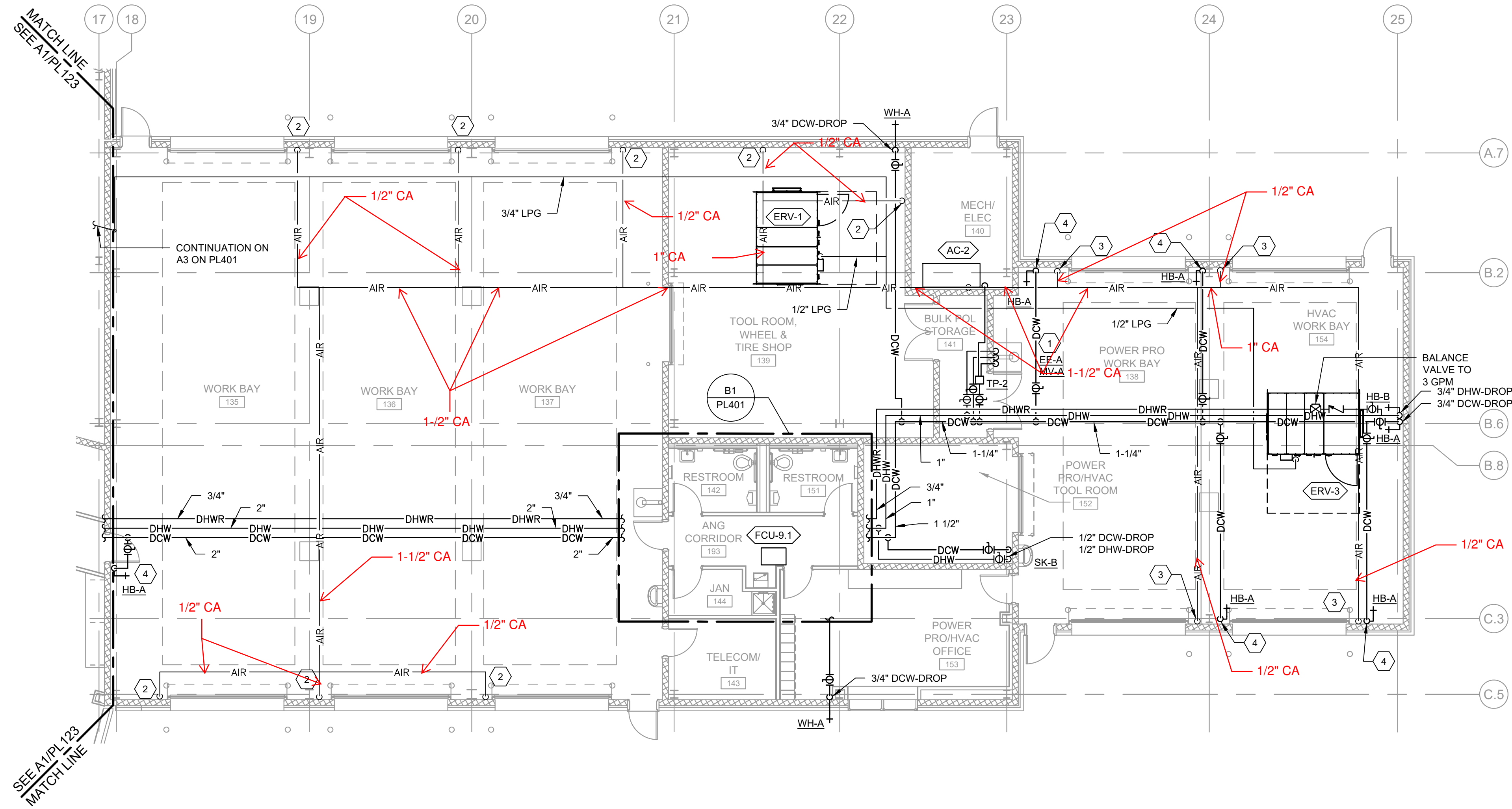
Owner

14-Jul Add 6Q14

75 Blane Casey

The following questions are from a crane supplier:

A	<p>1) Sect 1.3 (B 6 & 7) reference ASME NOG 1 and ASME NUM 1 Standards. These standards are typically required for cranes at Nuclear Facilities. Cranes designed for Nuclear Facilities have a tremendous amount of redundant safety features incorporated into the design. These features add significant cost to the crane. Does this crane need to meet requirements for cranes located at Nuclear Facilities?</p>	14-Jul	AE	Add 7Qx
B	<p>2) Drawing sheet S-002 states that bolted clips must be supplied to secure the rail to the runway beams. It also states that J bolts will not be allowed. Bolted clips are typically used for high capacity (50 ton plus), heavy use cranes. Rails for cranes of this size, with light duty use, are typically secured using J bolts. Would the customer consider J bolts to secure the rail to the runway beams? This would eliminate the need to drill the rails for the bolted clips.</p>	14-Jul	AE	Add 7Qx
C	<p>3) Sect.2.2 (D), states that the bridge rails will be secured with bolted clips. I believe this is the rail that the trolley will run on? Please confirm. If so, this rail is typically secured with a welded clip. In order to provide a bolted clip, we would need to drill and tap for each clip. Will a welded clip be acceptable?</p>	14-Jul	AE	Add 7Qx
D	<p>4) Sect 3.7 (4) references mechanical load brake testing. Does that mean that a mechanical load brake is required for this project?</p>	14-Jul	AE	Add 7Qx
E	<p>5) Sht. 114 references a monorail for a hoist to be relocated. Is the beam being relocated too or is it a new beam? Does the existing hoist have a trolley or do we need to quote a trolley? Is it an electric hoist or manual?</p>	14-Jul	AE	Add 7Qx



A1 AREA D FIRST LEVEL SUPPLY PIPING PLAN
1/8" = 1' - 0"

0 4' 8' 16'

PLAN NORTH



PLAN REVISIONS				
Rev#	Description	Date	Appr.	JRW
0	ISSUED FOR BID	04-22-22		

- KEYED NOTES**
1. 1" DCW AND 1" DHW DROP TO MV-A. ROUTE 1-1/4" TW FROM MV-A TO EE-A. PROVIDE SHUT-OFF VALVES FOR MV-A AND EE-A ACCESSIBLE.
 2. 1/2" CA-DROP. SEE B2 ON PL501 FOR DETAIL.
 3. 1/2" CA-DROP. PROVIDE WITH ADJUSTABLE REGULATOR FROM 30 PSI TO 125 PSI.
 4. 3/4" DCW DROP.

KEY PLAN

STATE OF MAINE
DEPARTMENT OF DEFENSE, VETERANS
AND EMERGENCY MANAGEMENT

wood.
Engineers & Surveyors, Inc.
811 Congress Bl., Suite 201 Portland, ME 04101
P: (207) 725-2621 F: (207) 725-2622 www.woodeng.com

NATIONAL GUARD
VEHICLE MAINTENANCE SHOP
SACO, MAINE

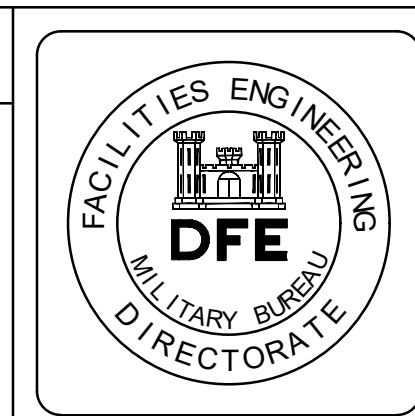
AREA D FIRST LEVEL
SUPPLY PIPING PLAN

PLAN PROGRESS

- ☐ DRAFT
- ☐ 35% REVIEW
- ☐ 60% REVIEW
- ☐ 95% REVIEW
- ☐ FINAL REVIEW
- ☒ FOR BIDDING
- ☐ ISSUED FOR CONSTRUCTION
- ☐ RECORD DRAWINGS

SHEET ID:
PL124

SHEET: 157 OF 244



PLAN REVISIONS				
Rev#	Description	Date	Appr.	JRW
0	ISSUED FOR BID	04-22-22		

DESIGNED BY:	JSG
DRAWN BY:	MEB
CHECKED BY:	MSD
DATE:	04-22-2022
SCALE:	AS NOTED
DFE PROJECT NO:	230125

STATE OF MAINE
DEPARTMENT OF DEFENSE, VETERANS
AND EMERGENCY MANAGEMENT

wood.
Engineers & Surveyors, Inc.
811 Congress Bl., Suite 201 Portland, ME 04101
P: (207) 725-2621 F: (207) 725-2622 www.woodeng.com

NATIONAL GUARD
VEHICLE MAINTENANCE SHOP
SACO, MAINE

AREA D FIRST LEVEL
SUPPLY PIPING PLAN

PLAN PROGRESS

- ☐ DRAFT
- ☐ 35% REVIEW
- ☐ 60% REVIEW
- ☐ 95% REVIEW
- ☐ FINAL REVIEW
- ☒ FOR BIDDING
- ☐ ISSUED FOR CONSTRUCTION
- ☐ RECORD DRAWINGS

SHEET ID:
PL124

SHEET: 157 OF 244

NOT FOR CONSTRUCTION

Files Transmitted via DoD Safe

- 1) Addendum 1
 - a. Agreement for Release of Electronic Files.pdf
 - b. Saco FMS 1 00 01 10 Table of Contents Addendum 1.pdf
 - c. Saco FMS 1 00 11 13 Notice To Contractors Addendum 1.pdf
 - d. Saco FMS 1 00 41 13 Contractor Bid Form Addendum 1.pdf
 - e. Saco FMS 1 01 23 00 Alternates Addendum 1.pdf
 - f. Saco FMS 1 06 64 00 Plastic Paneling Addendum 1.pdf
 - g. Saco FMS 1 09 91 23 Interior Painting (MPI Standards) Addendum 1.pdf
 - h. Saco FMS 1 Pre Bid Sign In Sheet Addendum 1.pdf
 - i. Saco FMS1 Addendum 1 - 20220610 .pdf
 - j. Saco FMS1 Addendum 1.pdf
 - k. Saco FMS1 Pre Bid Conference Minutes Addendum 1.pdf
- 2) Addendum 2
 - a. 00 01 10 Table of Contents Addendum 2.pdf
 - b. 018113 Sustainable Design Requirements Addendum 2.pdf
 - c. Addendum 2.pdf
- 3) Addendum 3
 - a. Addendum 3 Bid RFI Log 30 June 2022.pdf
 - b. Addendum 3
- 4) Addendum 4
 - a. Addendum 4 Bid RFI Log 5 July 2022.pdf
 - b. Files Transmitted via DoD SAFE.pdf
 - c. Addendum 4
- 5) Addendum 5
 - a. Addendum 5 Bid RFI Log 11 July 2022.pdf
 - b. Files Transmitted via DoD SAFE.pdf
 - c. Addendum 5
- 6) Addendum 6
 - a. Addendum 6 Bid RFI Log 14 July 2022.pdf
 - b. Files Transmitted via DoD SAFE 14 July 2022.pdf
 - c. PL124 CA Redline 20220714.pdf
 - d. Addendum 6