



**NOVEMBER 18, 2022**

**CONTRACT NO. 1752**

**REPAIRS TO FLUID BED INCINERATOR NO. 1**

**ADDENDUM NO. 3**

**Members of the Board**

Sylvia C. Wilson  
*Chair Person*

Shannah Tharp-Gilliam, Ph.D.  
Harry Readshaw  
Corey O'Connor  
Jack Shea  
Emily Kinkead  
Paul Klein

Arletta Scott Williams  
*Executive Director*

Douglas A. Jackson, P.E.  
*Director  
Operations & Maintenance*

Michelle M. Buys, P.E.  
*Director  
Environmental Compliance*

Kimberly N. Kennedy, P.E.  
*Director  
Engineering & Construction*

Karen Fantoni, CPA, CGMA  
*Director  
Finance*

Michael Lichte, P.E.  
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Regional Conveyance*

Jeanne K. Clark  
*Director  
Governmental Affairs*

Joseph Vallarian  
*Director  
Communications*

Julie Motley-Williams  
*Director  
Administration*

All bidders bidding **Contract No. 1752** shall read and take note of this **Addendum No. 3**. The Contract Documents for **Contract No. 1752 – Repairs to Fluid Bed Incinerator No. 1** are hereby revised and/or clarified as stated below.

**Acknowledgement of Contract No. 1752, Addendum No. 3**

The Acknowledgement attached to **Addendum No. 3** is to be signed and returned immediately via email to **Kathleen P. Uniatowski** at [Kathleen.uniatowski@alcosan.org](mailto:Kathleen.uniatowski@alcosan.org) and acknowledged with Bidder's Proposal.

A handwritten signature in blue ink that reads "Kimberly Kennedy". The signature is written in a cursive style and is positioned above a horizontal line.

**Kimberly Kennedy, P.E.**  
Director – Engineering and Construction

**ACKNOWLEDGEMENT OF**

**CONTRACT NO. 1752**

**REPAIRS TO FLUID BED INCINERATOR NO. 1**

**ADDENDUM NUMBER 3**

**FIRM NAME:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**NOVEMBER 18, 2022**

**CONTRACT NO. 1752**

**REPAIRS TO FLUID BED INCINERATOR NO. 1**

**ADDENDUM NO. 3**



*Jeffrey S. Mazza* 11/17/2022

**NOVEMBER 18, 2022**

**CONTRACT NO. 1752**

**REPAIRS TO FLUID BED INCINERATOR NO. 1**

**ADDENDUM NO. 3**

**A. Contract Documents**

(N/A)

**B. Contract Drawings**

1. Add the following reference drawing to the existing reference drawings:
  - a. **14701-1A** Forced Draft Outlet Expansion Joint Assembly
2. Update the drawing index to reflect the addition listed above.

**C. Questions**

3. Question: There is still not enough information on the expansion joint. Can any additional information be provided?

Response: We were able to find one additional drawing showing detail of this expansion joint. See the additional reference drawing, attached to this addendum.

4. Question: Would 316H be able to be substituted for 253MA SS for the manifolds? We are discovering that 253MA is incredibly difficult to source. 316H is a high temperate SS and offers very good corrosion resistance at high temperatures.

Response: It would be highly unlikely that we would accept this substitution for the manifolds. If sourcing difficulties can be documented, we may consider substitutions for lesser components, such as the nozzle caps, but we are **not** committing to any substitutions at this time. Thus, the bid shall be based on the specified materials.

5. Question: What size is the clean out pipe (piece number 2.06)? No dia.is called out.

Response: The nominal pipe outside diameter is 4.5 inches, and the wall thickness is (nominal) 0.25”.

6. Question: We are requesting a 1- week extension. We are having a difficult time with getting vendor and subcontractor pricing with the holiday next week. We are seeing a lot of people out on vacation.

Response: Due to the ALCOSAN board meeting being held on December 8, we cannot extend the bid period.

7. Question: Will 310 material be an acceptable alternative for the 309 material if availability of the 309 is an issue?

Response: If sourcing difficulties can be documented, we may consider substitutions for lesser components, such as the nozzle caps, but we are **not** committing to any substitutions at this time.

8. Question: Will material sourced from DFARS countries be acceptable for materials not able to be domestically sourced?

Response: If such sourcing difficulties can be documented, we may consider non-domestic materials.

9. Question: I am having trouble figuring out the EVAP section. In the spec, it says tube arrays, are they referring to the entire tube bundle ? Not sure where the termination point is, are headers to also be on them ? See drawing D-7036 for EVAP bundle. Also, please provide drawing D-7025-5a & b as shown on drawing D-7026-2, section C-C.

Response: The first evaporator tube bundle is comprised of 38 (field verify this number) arrays (or elements) of piping. The termination points of each array are to be at the headers. Each new array shall be welded to the header pipes (after the existing arrays are removed and the cut stubs ground flush with the headers. We do not have any drawings numbered D-7025-5a or D-7025-5b. We do have drawing D-7026-5a, but it is the same as drawing D-7026-5, which was the fourth drawing added by addendum # 1.

Note: *This fourth drawing can also be identified by the code 104-916E-4, handwritten in the right margin.* (The -5a drawing shows the 1<sup>st</sup> evaporator for unit # 2, while the -5 drawing shows unit # 1. This appears to be the only difference.) We believe the callout in section C-C to be a typo.

10. Question: Do you have anything on the insulation on the air plenum and nozzles ?

Response: As of now, we cannot find any details on that insulation & jacketing. We will continue to look, but unless we find more information, replace in kind. I suggest another site visit to verify the general type/ thickness of the insulation (and the jacketing).

11. Question: Do you know the material of the tank head on either end of the plenum ?

Response: All information we have is on the provided drawings. While the material for the tank head is not shown on the bill of materials, all other listed components of the plenum assembly are listed as 310 S stainless steel.

#### **D. Clarifications**

(N/A)

#### **E. General**

1. See attached minutes, attendance sheet and agenda from the pre-bid meeting.

#### **Attachments:**

Specifications:

(N/A)

Drawings:

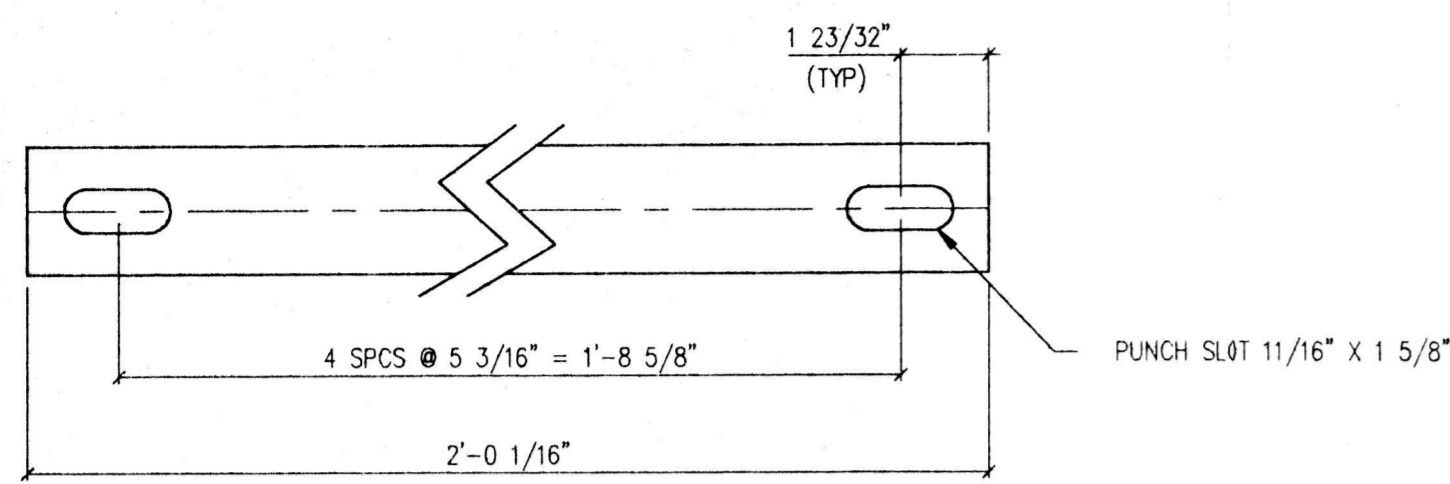
**14701-1A**      Forced Draft Outlet Expansion Joint Assembly

Other:

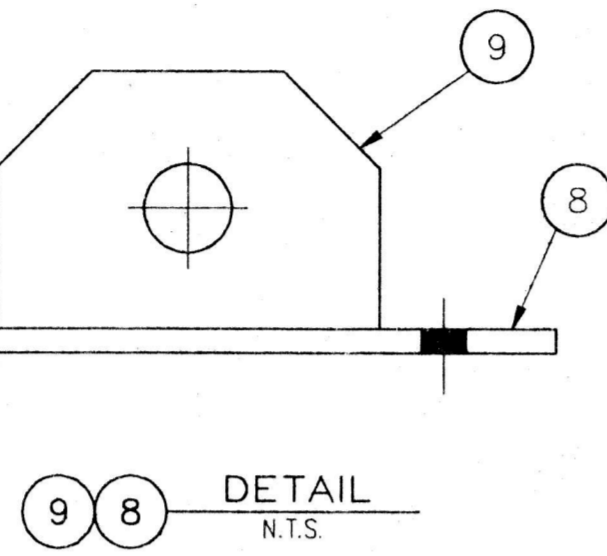
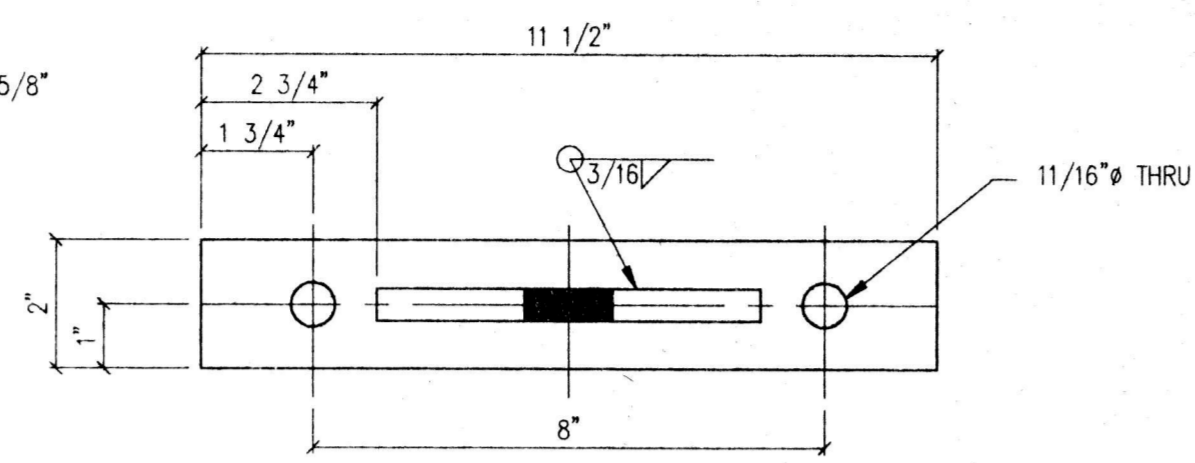
Prebid meeting minutes  
Attendance sheet  
Prebid meeting agenda

**\*\*\* END OF ADDENDUM NO. 3\*\*\***

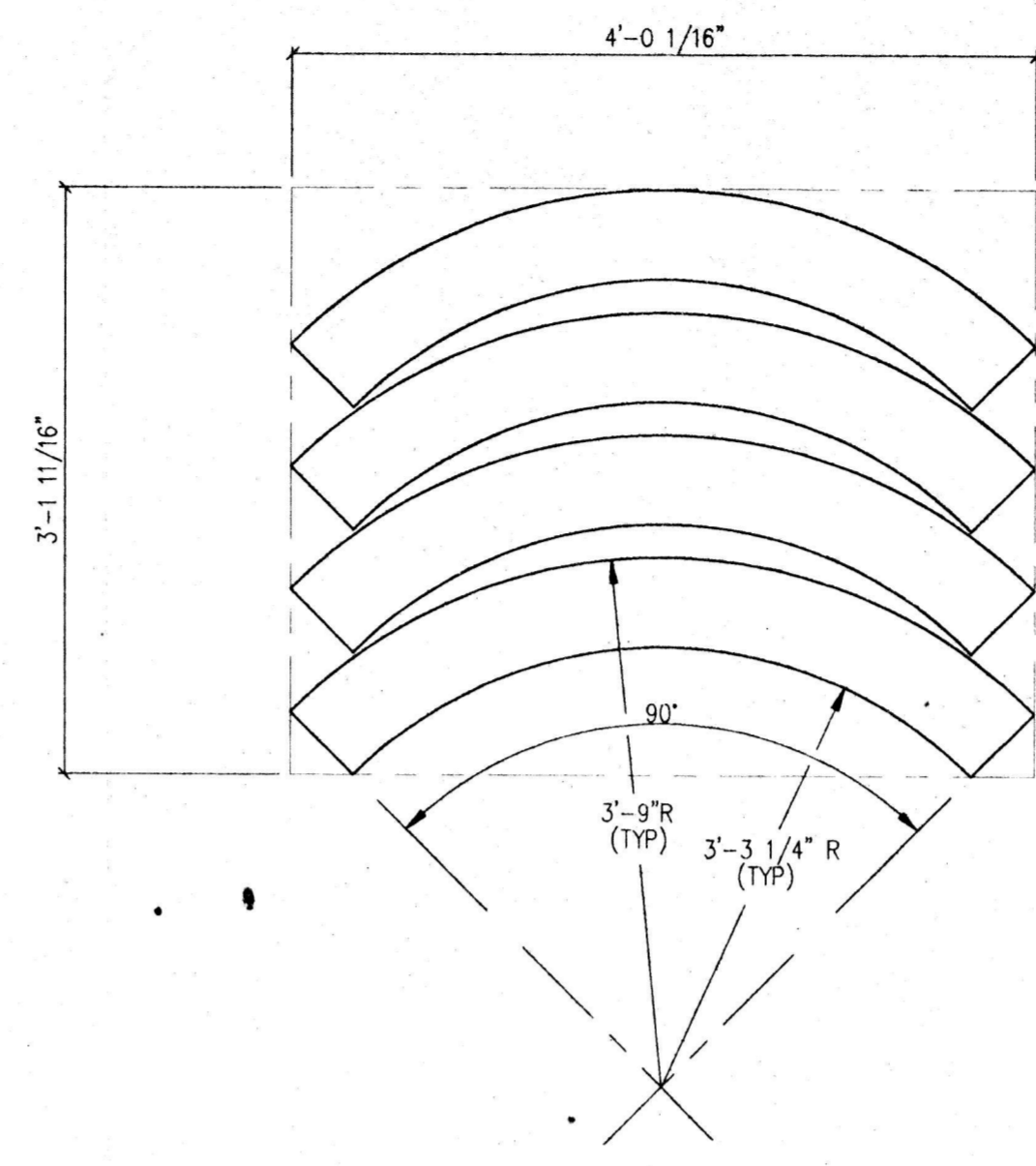
JUN 03 1992



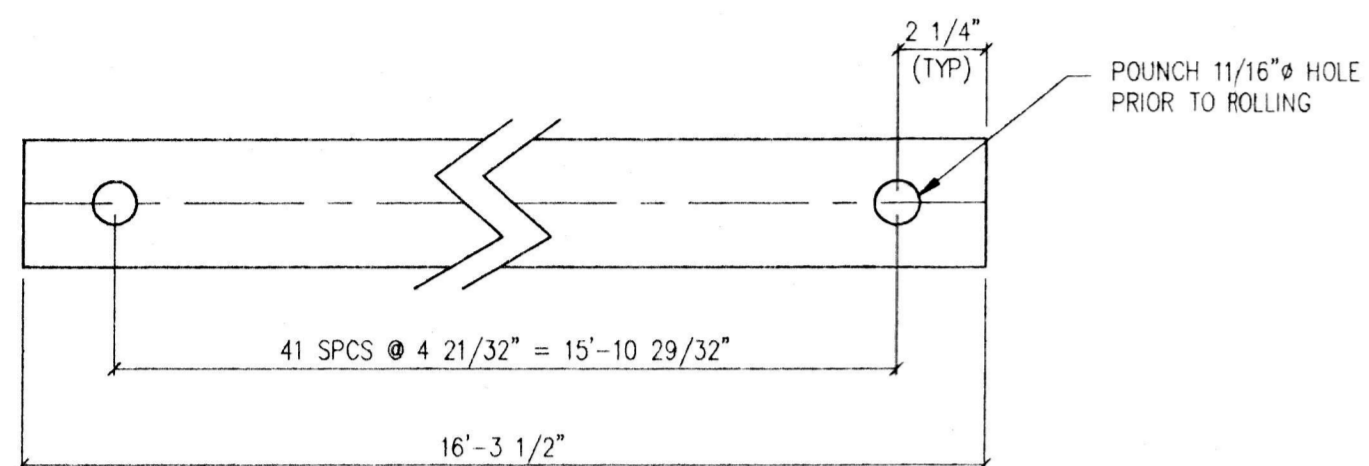
5 DETAIL N.T.S.



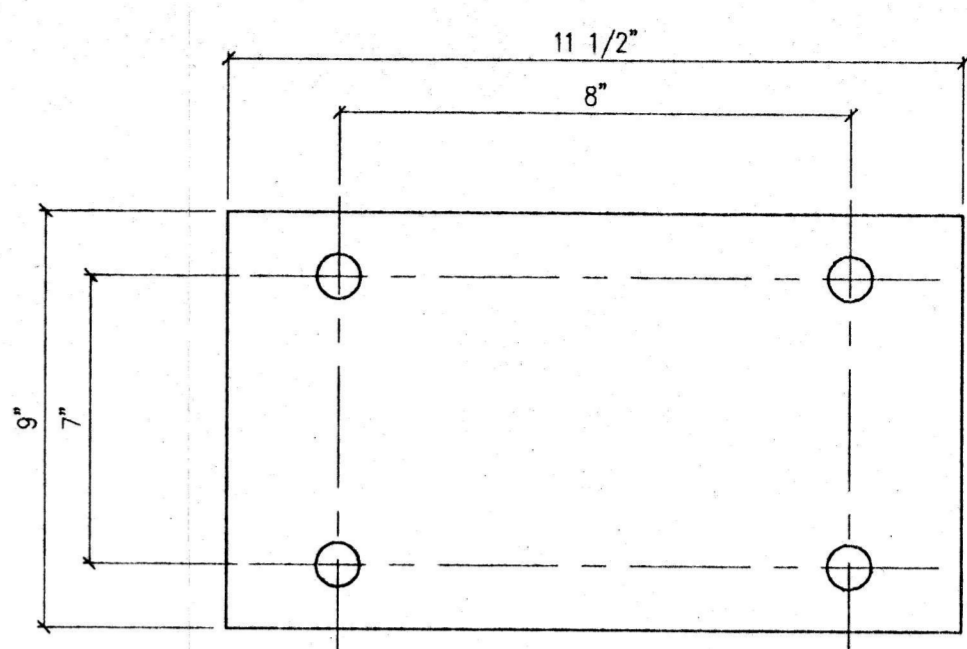
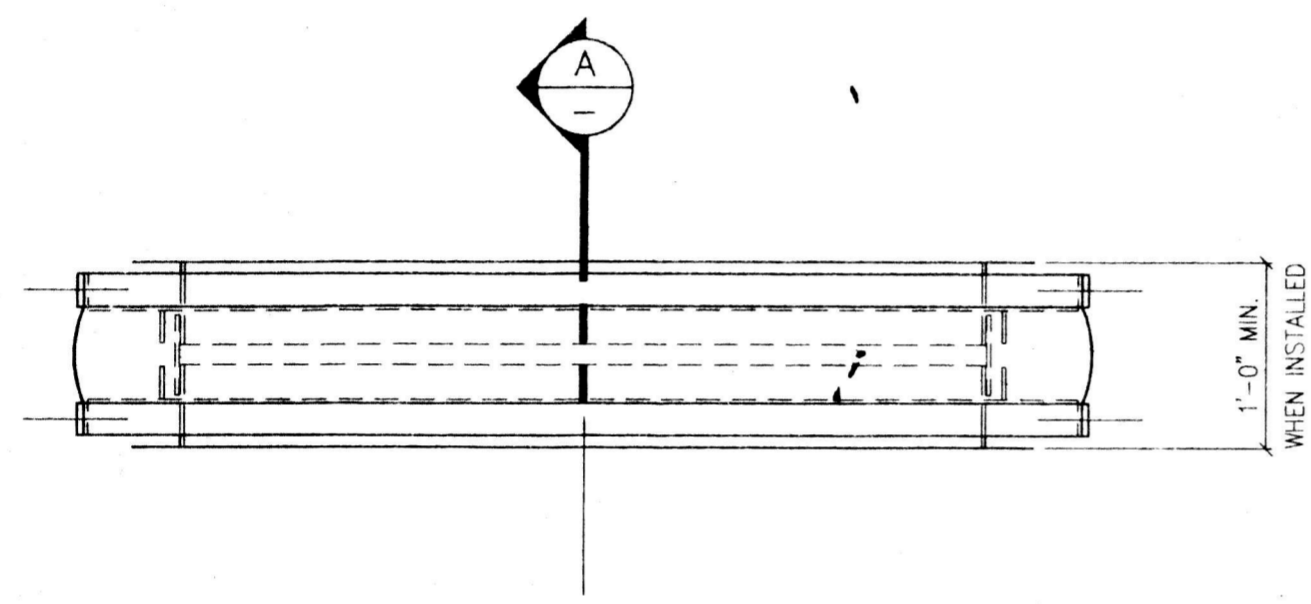
9 8 DETAIL N.T.S.



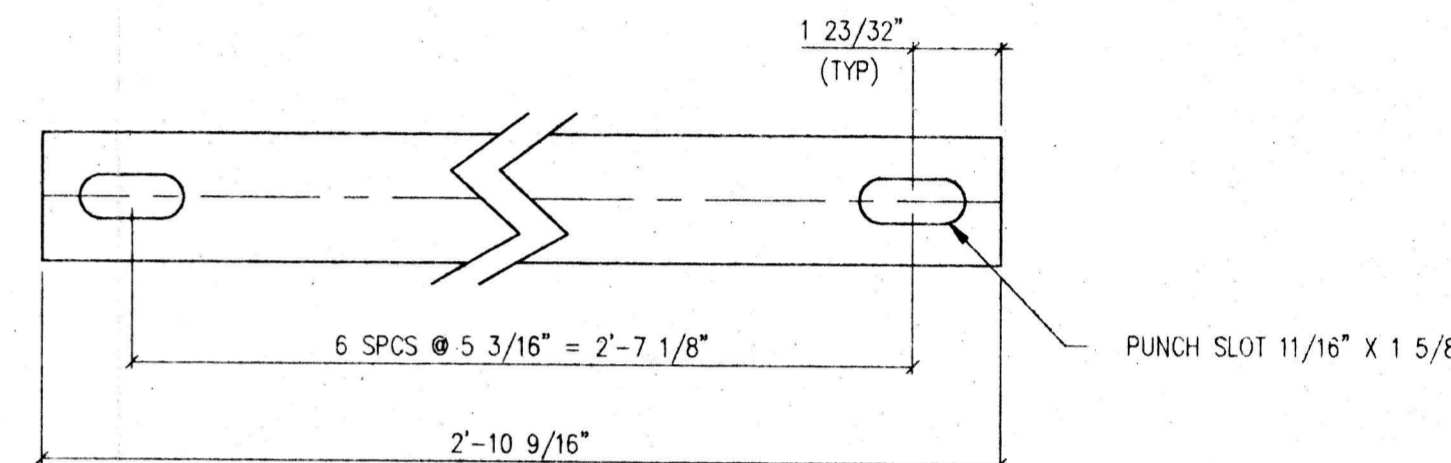
3 DETAIL N.T.S.



7 DETAIL N.T.S.



14 DETAIL N.T.S.



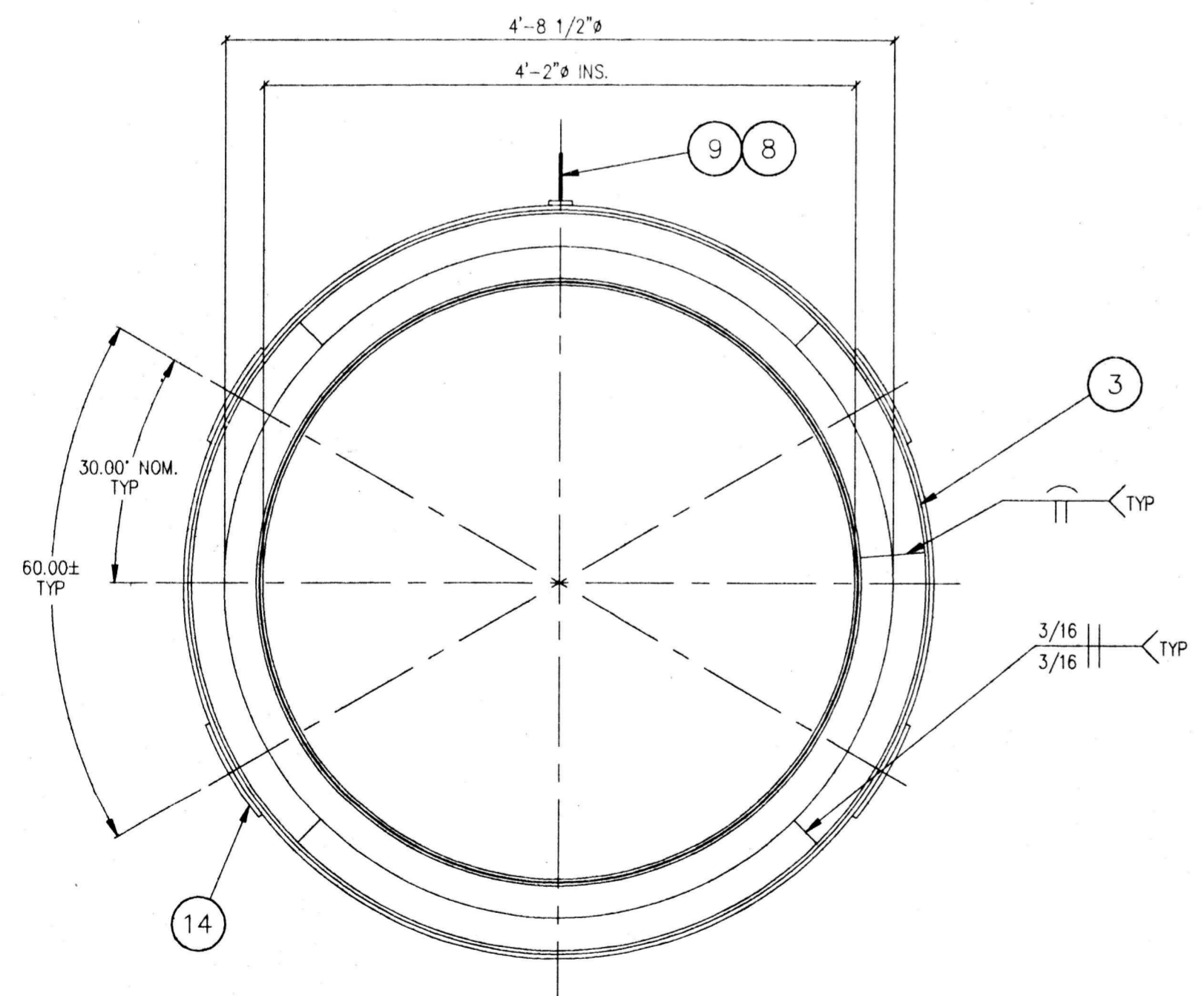
2 DETAIL N.T.S.

NOTES:  
 1. BUTT JOINT WELDS MUST BE GROUND SMOOTH ON THE OUTSIDE DIAMETER OF DUCT.  
 2. BUTT JOINT WELDS MUST BE GROUND SMOOTH ON ITEM 7.  
 3. ITEM 6 MUST SLIPFIT OVER DUCT.  
 4. DO NOT WELD ITEM 6, IT MUST REMAIN FREE TO MOVE.

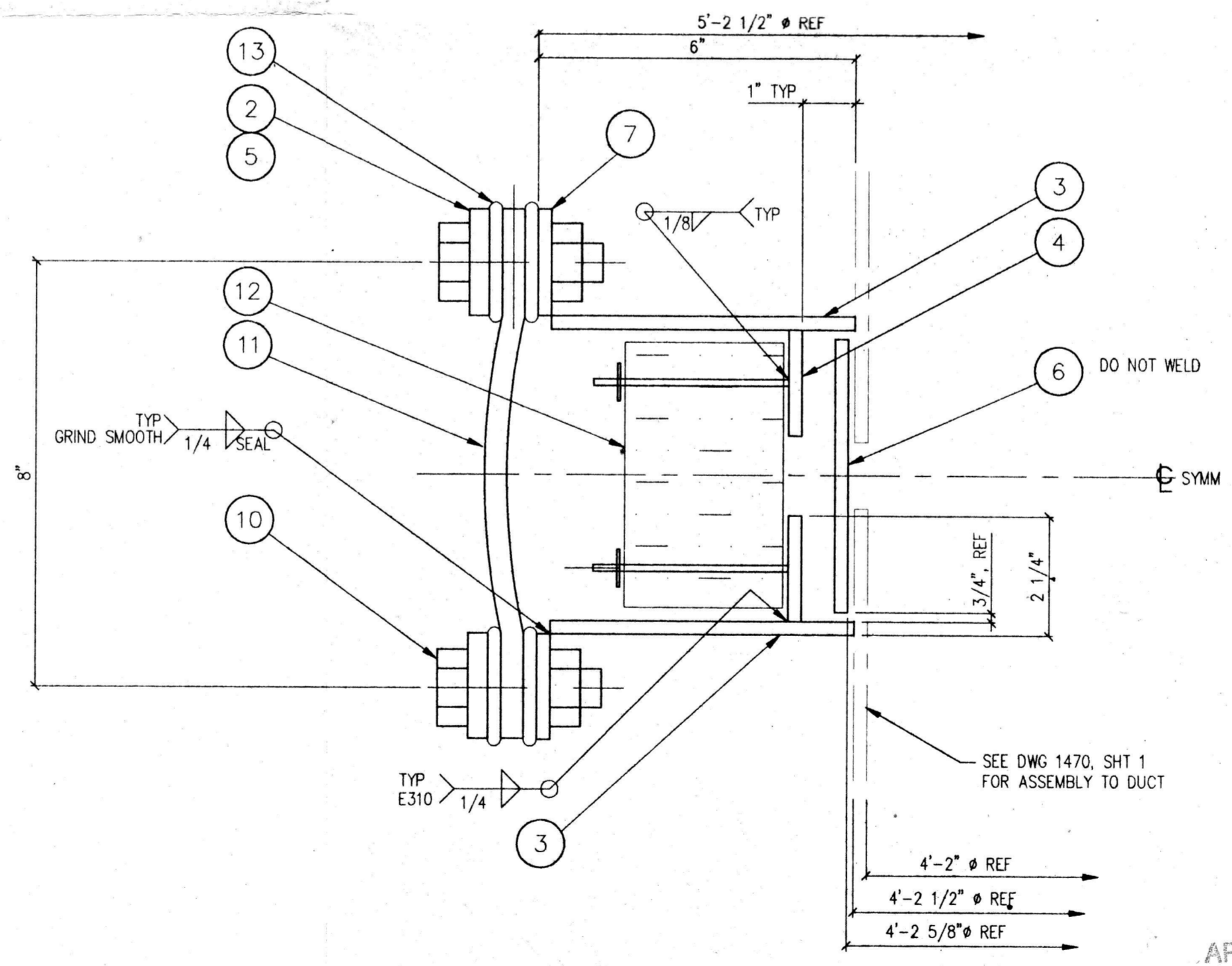
APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 NOT APPROVED

This submittal has been checked for conformance with design concept only. The Contractor is responsible for all shop details, quantities, and dimensions. Approval does not relieve the Contractor of responsibility for full compliance with all provisions of the contract documents.

ALLEGHENY COUNTY SANITARY AUTHORITY  
 Checked By: [Signature]  
 Date: JUN 15 1992  
 Engineer: [Signature] Date: 6-9-92



1 EXPANSION JOINT ASSY N.T.S.



SECTION A N.T.S.

APPROVED FOR  
 MAY 29 1992  
 FABRICATION

ITEM NO.	QTY.	MATERIAL / SPECIFICATIONS	WT. LBS.	SHT. REF.	ITEM NO.	P.O. NO.	ORD. IN.
1	2	EXPANSION JOINT ASSY 14701-101			USE ON 14701-101		413
2		FB 3/8" X 2" X 2'-10 9/16" LG			SEE DETAIL		15
3		PL 1/4" X 3'-1 11/16" X 4'-0 1/16" LG			SEE DETAIL ONE MAKES 4		80
4		FB 1/4" X 2" X 16'-3 1/2" LG			SEE DETAIL ROLL TO 5'-2" O.D. E-Z WAY		56
5	14	FB 3/8" X 2" X 2'-0 3/4" LG			SEE DETAIL ROLL TO 2'-7 3/4" I.R. E-Z WAY		55
6	1	FB 1/4" X 4" X 13'-3" LG			T310 ROLL TO 4'-3 1/2" O.D. E-Z WAY		45
7	2	FB 1/4" X 2" X 11 1/2" LG			(SHIPPING BRACKET)		10
8	1	FB 3/8" X 2" X 11 1/2" LG					10
9	1	PL 1/4" X 4" X 6" LG			EPI #0456-101		48
10	76	BOLT 5/8-11 UNC X 3" LG W/NUT & L.W.					2
11	14 SF	FABRIC BELT F4-152-181-M72 (PATHWAY OR EQUAL) 11" W 5'-2" O.D. FRAME					6
12	14'-0"	INSULATION PILLOW W/STUDS & WASHERS 152-152-153-M72 (PATHWAY OR EQUAL)					11
13	4	GASKET, WOVEN FIBERGLASS, C87 (PATHWAY OR EQUAL)					7
14	1	PL 1/4" X 9" X 11 1/2" LG			SEE DETAIL		30

MATERIAL and SHOP NOTES: (UNLESS OTHERWISE SPECIFIED)

A) ALL MATERIAL UNDER 20'-0" LONG IS TO BE "NO-SPLICE"  
 B) MATERIAL SPECIFICATIONS SHALL BE AS FOLLOWS:  
 • PLATE A36  
 • SHEET A569  
 • STRUCT SHAPES A36 HRMS  
 • BAR STOCK A36 HRMS  
 C) FABRICATION TOLERANCE SHALL BE..... ± 1/8"  
 D) BOLT CIRCLE TOLERANCE SHALL BE..... ± 1/32"  
 E) WHEN APPLICABLE, MATCH-DRILL and MATCH-MARK HOLE PATTERNS TO STRADDLE TOP @.

F) USE E-70xx FOR FILLER METAL  
 G) BLAST and PRIME PER EPI PAINT SPEC. 180  
 H) ALL ITEMS REMOVED FOR PAINTING MUST BE REINSTALLED PRIOR TO SHIPPING.

A.C.S.A. FILE COPY  
 DO NOT REMOVE

PROJ. MGR.	DATE	ENGINEER	BY	DATE
CG/S/2/WH/5/2	5/29/92	SSC	SSC	4-23-92
1	SUBMITTED TO ALCOSAN FOR APPROVAL	DPS/4-92/WH/2-92	SSC/4-92/DP/4-92	

REVISIONS

NO.	DESCRIPTION	BY	CHK.	DES. ENG.	ENG/MGR
1	REVISD PER ALCOSAN & APPROVED FOR FABRICATION	CG/S/2/WH/5/2	SSC/4-92/DP/4-92		

THIS DRAWING PROPERTY OF EPI AND IS LOANED UPON THE CONDITION THAT IT IS TO BE RETURNED UPON REQUEST AND IS NOT TO BE REPRODUCED OR COPIED OR USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF THE ABOVE COMPANY.

SCALE 1"=1'-0"

MASTER DRAWING REF: MD-0009

ENERGY PRODUCTS OF IDAHO  
 Coeur d'Alene, Idaho 83814

FORCED DRAFT OUTLET EXPANSION JOINT ASSEMBLY

ALLEGHENY COUNTY SANITARY AUTHORITY  
 PITTSBURGH, PENNSYLVANIA

DRAWING CONTROL INDEX  
 PROJECT CODE SIZE SHEET REV NO.  
 0838 14701 D 1 A

SCALE 1"=1'-0" TOTAL SHEETS 1

150-916



**CONTRACT 1752**  
**REPAIRS TO FLUID BED INCINERATOR No. #1**  
**PRE-BID MEETING MINUTES**

Wednesday, November 9, 2022 @ 10:00 AM

ALCOSAN O&M Auditorium

Jeffrey Mazza – ALCOSAN Project Engineer (412) 734-8359

1. Introduction

- a. All attendees signed the pre-bid meeting attendance roster.
- b. A brief overview of the project was given by Jeff Mazza (ALCOSAN).
- c. Mr. Mazza discussed the importance of the WBE/MBE participation goals. He reiterated that the forms in the bid package relating to WBE/MBE participation must be completed/signed and submitted with the bid. If needed, the bidders can contact ALCOSAN's Ray Meyer for assistance (contact information is located in the contract documents) in this matter.

2. Legal Notice

- a. Mr. Mazza discussed the content of the legal notice, noting the date/time the bids are due (Friday, December 2, 2022 at 11:00), and the fact that said bids must be returned intact and within the manila envelope that was supplied with the bid documents. If submitting by mail or other carrier, the exterior envelope of the parcel must contain verbiage stating that the parcel contains a sealed bid, and the contract name/number must also be plainly marked on said envelope. Envelopes shall be addressed to ALCOSAN's Director of Engineering & Construction.
- b. Mr. Mazza also mentioned that all questions must be submitted in writing (to him) via email to [jeffrey.mazza@alcosan.org](mailto:jeffrey.mazza@alcosan.org). Any questions by phone will be considered informal and without legal or binding effect on the contract or to the Owner. Last day for questions is Friday, November 25, 2022, by 5:00 p.m. local (Pittsburgh) time.
- c. Mr. Mazza also mentioned that anticipation of award is at the December 8 ALCOSAN Board meeting. Notice to proceed is expected in early January 2023.
- d. It was also reiterated that the pre-bid meeting is not mandatory for bidders.

3. Bidding Documents [Article One]

- a. Bid Form – the bidders shall fill in lump sum price, as well as the unit price items, and add them accordingly to arrive at the Total Base Bid price. It was specifically noted that the descriptions of the lump sum and the unit price work are very general in nature. These general descriptions are to be augmented by any/all details provided within the balance of the contract documents.
- b. All bids are to be submitted with all bid forms complete and signed by authorized representative of the Company. When noted/requested on the pages in Article 1, the contractor's corporate seal must be applied/affixed. All other requisite statements, letter of



assent, certifications, questionnaires, financial statements, affidavits, and bid security must also be supplied with the bid.

4. Information for Bidders [Article Two]

- a. Details of Article Two (as listed in the agenda) were discussed.
- b. It was noted that a signed letter of assent is to be furnished with the bid.

5. Contract Conditions [Article Three]

- a. Pertinent details of Article Three were briefly discussed.

6. Contract Agreement [Article Four]

- a. As mentioned in the discussion of article one, it was reiterated here that the descriptions of the lump sum and the unit price work are very general in nature. These general descriptions are to be augmented by any/all details provided within the balance of the contract documents.
- b. The contract milestones were discussed (substantial completion - 255 calendar days), and final completion of contract – 270 calendar days). Day “one” (for both milestones) starts from the date of the official “Notice to Proceed” letter.
- c. Liquidated damages shall be \$1,000/calendar day (for each calendar day past the substantial completion milestone) and \$ 100/calendar day (for each calendar day past the final completion milestone). *Additionally, it was explicitly stated that time was of the essence.*

7. Bonds, Certificates and Statements [Article Five]

- a. Performance Bond: 100% of the total contract value
- a. Labor and Material Payment Bond: 100% of the total contract value
- b. Maintenance Bond: 100% of the total contract value

8. Summary of Work – Overview by the Engineer [Article 6]

- a. The tasks listed in the agenda were read, and it was noted that this was a very general/non-inclusive listing. The entirety of the contract documents must be consulted for the full extent of the work.
- b. Mr. Mazza extended the offer that additional site visits could easily be arranged by calling him in advance

9. Open Discussion/Questions

The meeting concluded with a site visit.

Attachments:

- Attendance sheet
- Agenda

◆ ◆ ◆ ◆ END OF MINUTES ◆ ◆ ◆ ◆

# ALLEGHENY COUNTY SANITARY AUTHORITY

## PRE-BID MEETING ATTENDANCE

**PROJECT:** Repairs to Fluid Bed Incinerator No. 1

**CONTRACT:** 1752

**DATE:** Wednesday, November 9, 2022

**TIME:** 10:00 A.M.

### ATTENDEES

### PLEASE PRINT CLEARLY

	NAME	AFFILIATION	PHONE	FAX	E-MAIL
1	Matt Schmitt	Simakas	(724) 625-3901	(724) 625-3944	matthew.schmitt@simakas.com
2	RAY STASNY	ALCOSAN	( )	( )	RAYMOND.STASNY@ALCOSAN.ORG
3	Al Isiminger	Shiloh	(724) 344-2619	( )	
4	STEVE JANUSEY	SHILOH	(412) 551-3000	( )	SJANUSEY@SHILOHIND.COM
5	Kerth Ogan	SSM	(412) 552-0595	( )	Kogan@ssmi.biz
6	Chris Darnell	NAES	(724) 331-1906	( )	Chris.darnell@naes.com
7	Colin Murphy	NAES	(412) 979-0606	( )	colin.murphy@naes.com
8	Francisco Fuentes	Naes	(847) 668-1922	( )	francisco.fuentes@naes.com
9	Gerry Marra	NAES	(412) 715-1264	( )	Gerry.Marra@naes.com
10	Mark Miller	PSG (Plant Services) Group	(724) 840-0428	( )	miller@plant-services-group.com
11			( )	( )	
12	Jeff Marza	ALCOSAN	( )	( )	jeffrey.marza@alcosan.org
13			( )	( )	
14			( )	( )	
15			( )	( )	



**CONTRACT 1752**  
**REPAIRS TO FLUID BED INCINERATOR No. #1**  
**PRE-BID AGENDA**

Wednesday, November 9, 2022 @ 10:00 AM

ALCOSAN Auditorium

Jeffrey Mazza – ALCOSAN Project Engineer (412) 734-8359

1. Introduction

- a. All attendees shall sign the pre-bid meeting attendance roster.
- b. Opening comments from ALCOSAN Project Manager.
- c. Encourage a target goal of WBE/MBE participation. (10% to 25% of contract value).

2. Legal Notice

- a. All bids to be submitted to Alcosan Engineering Department clerks on or before bid opening date and time. If the bid package is sent to ALCOSAN by land courier (UPS, FedEx, etc.), allow sufficient time for delivery to the clerks. Must submit bid in the official manila envelope that was furnished with the bid documents.
- b. Bid opening on **Friday, December 2, 2022** at **11:00 A.M.**
- c. Anticipation of award at the December 8 ALCOSAN Board meeting. Notice to proceed expected in early January 2023.
- d. All questions about contract documents shall be submitted **in writing** to Jeffrey Mazza via email at **jeffrey.mazza@alcosan.org**. Any questions by phone are considered informal and without legal or binding effect on the contract or to the Owner. Last day for questions is **Friday, November 25, 2022**, by **5:00 p.m.** local (Pittsburgh) time.
- e. Pre-bid meeting is not mandatory for bidders.

3. Bidding Documents [Article One]

- a. Bid Form: Complete as required. Specifically, on pages 1-2, 1-3 and 1-4, fill in the lump sum price, the unit price work and the total base bid. All bids submitted with all bid forms complete and signed by authorized representative of the Company. Bid Security - Certified check or Bid Bond in the amount of ten percent (10%) of bid price shall accompany the bid.
- b. Certificate of MBE/WBE Participation, plus statements. (page 1-15)
- c. Non-collusion Affidavit (page 1-16)
- d. Certificate of Compliance with the Pennsylvania Steel Products Procurement Act (page 1-18)
- e. Contractor's Qualification Statements (page 1-20)
- f. Certificate of Safety Procedures Compliance (page 1-22)

4. Information for Bidders [Article 2]

- a. Submission and Opening of Bids (page 2-2)
- b. Questions regarding contract documents (page 2-9) [Deadline for questions as listed above.]
- c. Acknowledgement of Addenda (page 2-12)
- d. Pennsylvania State Sales Tax Exemption (page 2-12)
- e. Bid Security (page 2-13)
- f. Qualifications and Experience of Bidders (page 2-15)
- g. MBE & WBE Participation (page 2-16)
- h. Project Labor Agreement, Letter of Assent (page 2-19)

**NOTE: Signed letter of assent shall be furnished WITH the bid !**

5. General Contract Conditions [Article Three]

- a. These are the details/particulars of the contract.

6. Contract Agreement [Article Four]

- a. Construction Milestones:

Construction Milestone	Contract Time (Calendar Days)
<b>Substantial Completion</b>	<b>255</b>
<b>Final Completion</b>	<b>270</b>

- b. Liquidated Damages:

Construction Milestone	Liquidated Damages
<b>Substantial Completion</b>	<b>\$1,000/Calendar day</b>
<b>Final Completion</b>	<b>\$100.00/Calendar day</b>

7. Bonds, Certificates and Statements [Article Five]

- a. Performance Bond (100% of the total contract value)
- b. Labor and Material Payment Bond (100% of total contract value)
- c. Maintenance Bond (100% of total contract value)

8. Brief summary of work [more detail in Article 6]

- a. Remove existing fluidizing air plenum.
- b. Remove all ten (10) existing expansion joints.
- c. Install bracing to incinerator unit.
- d. Make all field measurements/investigations/inspections required/described in the contract documents.
- e. Remove all existing fluidizing air manifold assemblies.
- f. Remove the ten (10) existing fixed end nozzles from the incinerator shell.
- g. Remove the specified section of the incinerator shell.
- h. Remove all existing brick support ring gusset plates (on fixed end of incinerator).
- i. Affix the new section of incinerator shell.
- j. Affix new brick support ring gusset plates.
- k. Affix fixed end nozzle pipes.
- l. Install new or existing manifold assemblies.
- m. Install new expansion joints.
- n. Install new fluidizing air plenum. Insulate, jacket & paint.
- o. Prep and paint the incinerator shell, as specified in the contract documents.
- p. Remove existing first evaporator tube assembly & supports.
- q. Install new tube assembly & supports.
- r. Provide of the inspection, testing & certification of the work.
- s. Any/all other tasks stated in the contract documents or required for a complete & operational system.

9. Open Discussion, site visit, and wrap-up of Pre-bid Meeting

◆ ◆ ◆ ◆ END OF AGENDA ◆ ◆ ◆ ◆