



September 15, 2021

CONTRACT NO. 1749

**PRIMARY TANKS CONCRETE DECKING
RESEALING AND REPAIRS**

ADDENDUM NO. 1

All bidders bidding Contract No. 1749 shall read and take note of this Addendum No. 1. The Contract Documents for **Contract No. 1749 – Primary Tanks Concrete Decking Resealing and Repairs** are hereby revised and/or clarified as stated below.

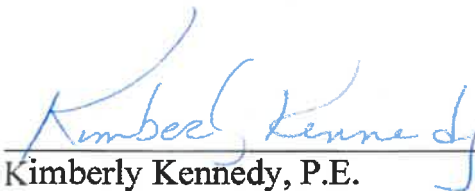
Acknowledgement of Contract No. 1749: Addendum No. 1

The Acknowledgement attached to Addendum No. 1 is to be signed and returned immediately via email to Kathleen Uniatowski at contract.clerks@alcosan.org and acknowledged with the Bidder's Proposal.

Members of the Board

Corey O'Connor
Chair Person
Rep. Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
Jack Shea
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Arietta Scott Williams
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Kimberly Kennedy, P.E.
Director – Engineering and Construction

**ACKNOWLEDGEMENT OF
CONTRACT NO. 1749 G – PRIMARY TANKS CONCRETE DECKING
RESEALING AND REPAIRS**

ADDENDUM NUMBER 1

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

SEPTEMBER 15, 2021

CONTRACT NO. 1749

**PRIMARY TANKS CONCRETE DECKING
RESEALING AND REPAIRS**

ADDENDUM NO. 1

1. Contract Documents–Volume 1 (Bidding Documents – Articles 1 – 5)

A. Article 1, Bid Form:

DELETE existing page Article 1-3; and REPLACE with the revised page attached to this Addendum.

(Note: the table in section 8.2 Unit Price Work was revised - including the number of Items (Item 5 was divided into 5A and 5B), Descriptions were reworded for clarity, Estimated Quantities were increased, and the Unit for 8.2.2 (Vertical concrete repair) was changed from CF to SF.)

2. Contract Documents–Volume 1 (Specifications – Article 6, Division 1-7)

A. No changes by this addendum.

3. Contract Documents–Volume 1 (Drawings)

A. DELETE existing drawing 700-C-01; and REPLACE with the revised drawing attached to this addendum.

4. Questions

A. During the Pre-Bid Meeting on 9/8/2021:

1.) Can the unit for concrete repair (Item 8.2.1 on the Bid Form) be changed from cubic feet (CF) to square feet (SF)?

Answer: Yes, this will be changed to square feet (SF) - please see Addendum Item No. 1.A above.

- 2.) What is the expected depth of repair for vertical and horizontal repair work?

Answer: A depth of 2"-4" would be typical for horizontal repair areas; at vertical repair locations, it varies from 2"-4" and up to 4"-6".

B. Received by Email (submitted by deadline of 9/13/21 at 4:30 p.m.):

- 1.) Phasing - For Bidding purposes, please provide phasing plan.

Answer: There are 3 phases shown on drawing 700-C-01 and noted in the specifications:

Phase 1 includes the area between the Effluent Weir Buildings (East and West) and the Skimmer Drive Buildings (East and West).

Phase 2 includes the area between the West Skimmer Drive Building and the West Drive Mechanism Building.

Phase 3 includes the area between the East Skimmer Drive Building and the East Drive Mechanism Building.

The Phase 1 area is to be completed first. A revised version of drawing 700-C-01 is included with Addendum No. 1, and the Phases are shown in a bolder font and highlighted for clarity.

- 2.) Lump Sum Price 8.1 - Please clarify what scope falls under 8.1 Lump Sum.

Answer: Lump Sum Price work for this contract includes the general conditions - insurance, bonding, contract administration, mobilization, demobilization, contractor "facilities" (field office & port-a-john), maintaining staging area(s), general site housekeeping, and all general overhead type labor, materials and equipment.

- 3.) Concrete Repair - Which unit price item is for vertical / overhead repair? Which unit price item is for horizontal repair?

Answer: Item 8.2.1 is for any vertical repair. Item 8.2.3 is for horizontal repair.

A revised version of page Article 1-3 is included with Addendum No. 1. The descriptions of Unit Price Items have been reworded for clarity.

- 4.) Concrete Repair - Unit price item 2 Concrete Repair – For bidding purposes please convert quantity to square feet.

Answer: Yes, this unit price will be changed to square feet (SF) - please see Addendum Item No. A.1 above, and the revised page Article 1-3 attached to this addendum.

- 5.) Bird Guano: Prior to construction, will ALCOSAN maintenance remove existing bird guano or will this be the responsibility of the contractor?

Answer: The removal of any guano (goose droppings) is the responsibility of the Contractor.

- 6.) Vertical concrete repairs are in CF while horizontal are in SF. Please consider having them both in SF.

Answer: Yes, vertical concrete repairs will be changed to square feet (SF) - please see Addendum Item No. 1.A above.

- 7.) Construction on this project is to begin late October or early November. The duration is 120 days which means we would work till the end of February. In this wide open space it is not realistic to have any kind of weather protection without a significant increase in cost. Please clarify what your expectations are as far as working during winter months goes.

Answer: It was ALCOSAN's original intent to have the Contractor complete the work within 90 days following Notice-to-Proceed (N-T-P), and prior to winter/cold weather (cold weather = temperatures below those minimums recommended by the manufacturers of the specified products).

Substantial Completion is set at 90 days from N-T-P, and would encompass the submittal process, mobilization, and the cleaning, sealing and repair work; Final Completion is 120 Days from N-T-P and would include demobilizing from the site and contract close-out activities and paperwork).

Following the anticipated award of this contract on September 23, ALCOSAN will work to expedite the contract execution process to issue the Notice-to-Proceed in early to mid-October. For the previous version of this sealing and repair contract (performed in September/October of 2013), the Contractor was able to complete a very similar scope of work in approximately 5-6 weeks once on-site. If the Pittsburgh area is fortunate to experience a relatively mild (warm) and dry Fall in 2021, then ALCOSAN would anticipate the Contractor will be able to complete all of the work in the areas defined as Phases 1, 2, and 3 (in October thru late November).

ALCOSAN specified the division of work into 3 phases to serve several purposes: 1) ALCOSAN uses various parts of the concrete decking for the temporary storage of materials and equipment, so having the work done in phases will accommodate this use; 2) The Phase 1 area, particularly the western side, is intended for use as a staging/storage area for other contract work on-site in the coming months, so the Phase 1 area needs to be completed first; 3) in the event the weather does not "cooperate", and cold temperatures arrive early, completion of Phases 2

and 3 may be postponed to the Spring of 2022 (this would be done by a time extension to the Substantial and Final Completion Contract Times).

In summary, ALCOSAN hopes the Contractor will complete the work as soon and as expeditiously as possible following issuance of Notice-to-Proceed. ALCOSAN does not expect the Contractor to perform work during the months when conditions are below those minimums specified by the product manufacturers. If conditions prevent the completion of the work in 2021, a time extension will be issued to extend the Contract Times into the Spring of 2022.

- 8.) Is there concern about joint materials falling into the tanks below during the removal process?

Answer: Yes, the Contractor should prevent joint materials (expansion joint materials) from falling into the tanks during the removal process.

Below the concrete decking are the Primary Sedimentation Tanks. These process tanks contain rotating chain and flight mechanisms to collect primary sludge at the southern end of the tanks, while skimming any floatables (scum and grease) to the Skimmer Building at the northern end of the tanks. Pieces of joint materials could potentially jam the chain and flight mechanisms in these tanks, so care should be taken to prevent joint materials from falling into the tanks.

5. Clarifications

- A. A site visit with potential bidders was conducted on 9/10/21. The Scope of Work was reviewed with the attendees and the following items were clarified:

- 1.) Unit Price Item 8.2.1, Sealing Concrete Deck:

Pressure washing and water repellent application includes all horizontal decking, and adjacent concrete walls, curbs, and piers within the Phase 1, 2, and 3 areas. Concrete walls include the bottom 12-inch high concrete footings for all “blue brick” buildings, and the 36-inch high sidewalls of the concrete pads for the 720 odor control scrubbers (these scrubbers are located in the Phase 2 area on top of Sedimentation Tank W-4).

Prior to water repellent application, surface preparation shall also include lightly sanding concrete curbs along the center walkway (between East and West Primary Sedimentation Tanks) and edges of decking (on Primary Treatment Tank E-3) that have been painted yellow to remove flaking/peeling paint.

- 2.) Water from pressure washing operations is permitted to drain into the drains located in the concrete decking (this water will drain directly into

the wastewater being processed in the primary sedimentation tanks below the decking). Squeegee all standing water to the drains.

- 3.). Any weeds found growing in various joints or cracks shall be removed. If the removal of the weed leaves a hole in the existing sealant of the joint or crack, that area shall be repaired with the appropriate sealant (hot-applied or polyurethane). These quantities shall be counted toward the estimated quantities provided in the Bid Form for Unit Price Work for expansion joint repair and concrete joint/crack repair.

B. Vertical Concrete Repair Examples:

Photos No. 1 – 5, included in the Attachments to this agenda, show several examples of locations that fall under Unit Price Item 8.2.2, and are considered vertical concrete repair. These photos are examples and do not include all of the locations that may/will require vertical concrete repair. ALCOSAN will do a walk-around with the bidder awarded the contract to review and define all types and areas of repair work (horizontal and vertical concrete, and joints/cracks) in Phases 1, 2, and 3 prior to the start of work in those areas.

Note: The Descriptions for Unit Price Work in 8.2 on the Bid Form are being revised by this addendum to further clarify vertical and horizontal concrete repair, and expansion joint and crack repair. See Addendum Item 1.A.

Attachments:

1749 Pre-Bid Agenda

Page Article 1-3, Bid Form-Addendum No. 1

Revised drawing 700-C-01 Primary Tanks Plan View

Photos 1 – 5: Examples of Vertical Concrete Repair Work

**** END OF ADDENDUM NO. 1 ****

CONTRACT 1749

PRIMARY TANKS CONCRETE DECKING RESEALING AND REPAIRS

PRE-BID MEETING AGENDA

Wednesday, September 8, 2021 at 1:30 PM
(Conducted via Microsoft Teams)

Beth Joyce – ALCOSAN Project Manager (PM); Beth.Joyce@alcosan.org
Ray Stasny – ALCOSAN Construction Manager (CM); Raymond.Stasny@alcosan.org

1. Introduction

- A. Attendees joining via Teams will be noted in the attendee list. Any call-in attendees that wish to be added to the list should send email to ALCOSAN PM following the meeting.
- B. Introduction and opening comments by ALCOSAN/Project Manager.
- C. Contractors must purchase Bid Documents from ALCOSAN to submit bids and receive addendum information. Cost is \$100 to purchase a copy of the Contract Bid Documents Package.
- D. Encourage a target goal of WBE/MBE participation (10% to 25% of contract value).
- E. Brief review of Contract Scope of Work.

2. Legal Notice (Bid Documents)

- A. Bid Security is 10% of the bid price, by Bid Bond or certified check.
- B. **All Sealed Bids** must arrive at ALCOSAN before 2:00 PM, Friday, September 17, 2021.
 - 1. **DROP OFF BIDS** are to be submitted to **Security Personnel** at the **Guard House** located at 3300 Preble Avenue, Pittsburgh, PA, 15233.
 - 2. **MAILED BIDS** must be addressed to:

Allegheny County Sewer Authority
Attn: Contract Clerk, Contract 1749
Engineering Department, Room 209
3300 Preble Avenue
Pittsburgh, PA, 15233
- C. If the bid package is sent to ALCOSAN using a delivery service (FedEx, UPS, U.S. Mail, etc.), please allow sufficient time for delivery prior to the bid opening date and time.
- D. Bid Opening: **Friday, September 17, 2021 at 2:00 P.M. (Via Teams)**. **Late Bids will not be accepted and will be returned unopened to the Bidder.**
- E. Anticipation of award is expected at the **September 23, 2021** ALCOSAN Board Meeting.
- F. All questions about the Contract Documents shall be submitted in writing to Beth Joyce via email at Beth.Joyce@alcosan.org. *Any questions by phone or in-person are considered informal and without legal or binding effect on the Contract or to the Owner.*

- G. **The last day for questions is on Monday, September 13, 2021, by Close of Business (4:30 P.M. EST).** Responses will be distributed as Addenda, as soon as possible, as deemed applicable.
- H. Pre-Bid Meeting is conducted for informational purposes, “attendance” is not mandatory. Contractor to Bid according to information in the Contract Documents (Articles, Specifications, Drawings, Addenda).

3. Bidding Documents (Article 1)

- A. Submittal of Bids: All Article 1 Bid pages must be completed and signed by authorized representatives of the company:
- B. Only the Bid Form pages (pages 1 – 23) need to be submitted, not the entire book/document. Any missing or incomplete items may render a Bid as “Non-Responsive” and may be grounds for rejection of the Bid.
- C. Bidder must acknowledge all Addenda received and made part of the Bid Documents (6.1 on page 2).
- D. TOTAL BASE BID (8. on pages 2 & 3) for Contract 1749 = Lump Sum Work (8.1) + Total of Extended Amount for Unit Price Work (8.2; there are 5 Unit Price Items in 8.2).
- E. Bid Security: must be either a Certified Check or Bid Bond in the amount of 10% of the total bid price (Reference Article 2.19). Failure to submit Bid Security with the Bid is reason for automatic rejection of Bid (i.e., a Non-responsive Bid).
- F. Certificate of MBE/WBE Participation: Bidders strongly urged to meet ALCOSAN’s 10 - 25% commitment goal (Reference Article 2.26). Failure to complete MBE/WBE pages (page 15 and the 4 pages attached to it) may result in rejection of the Bid.
ALCOSAN’s DBE Coordinator is Raymond Meyer, (412) 734-8737,
raymond.meyer@alcosan.org.
- G. Project Labor Agreement (See Article 2.34). Prime to sign and submit Letter of Assent with bid. Subs sign before working on project

4. Information for Bidders (Article 2)

- A. Location and Description of Work (2.03): work is at the ALCOSAN Wastewater Treatment Plant, 3300 Preble Avenue, Pittsburgh, PA 15233 at Primary Sedimentation Tanks. Scope of work to be discussed in detail later in the agenda.
- B. Submission of Bids (2.04): Sealed Bids to be submitted to the ALCOSAN Engineering Department on or before the bid opening date and time. Late bids (anything received after 2:00 p.m. on September 17th) will be returned unopened to the Bidder (late bids are “non-responsive”).
- C. Award, Execution and Notice to Proceed (2.07): Contract shall be awarded to the lowest responsive Bidder. Lowest Responsive Bid will be based on the lowest Total Base Bid (total of Lump Sum Work + Total Extended Amounts of all Unit Price Work). If a Bid is submitted with conditions or exceptions, or not in conformance with the terms and conditions of the Contract Documents, it may be rejected.

- D. Recommendation of Award: the intent is to award this contract at the ALCOSAN Board Meeting on Thursday, September 23, 2021. Thereafter, it typically requires 4-6 weeks to complete the contract paperwork (bonds, certificates of insurance, contract agreement). Anticipate a Notice to Proceed to be issued in late October 2021.
- E. Bidders to Investigate (2.13): In addition to reviewing the Contract Documents, Bidders are encouraged to investigate the job site and the working conditions in formulating their Bid. Bidder shall request and coordinate all site visits through the ALCOSAN Construction Manager, Ray Stasny, at 412-734-6263 (Office) or Raymond.Stasny@alcosan.org.
Bidders without an appointment will not be permitted to enter the treatment plant.
- F. Pennsylvania State Sales Tax Exemption (2.18); See article 3.21 and Exhibit D.
- G. Alteration of Bids and Documents (2.23); Also reference 2.11.
- H. Qualifications and Experience of Bidders (2.25); Each Bidder and its subcontractor must be regularly engaged in, and have at least Five (5) years' experience in, the installation of the particular type(s) of construction, systems and equipment required for this contract. Completion of the Contractor's Experience Questionnaire in the Bid Documents is a mandatory.
- I. MBE/WBE Participation Policy (2.26).
- J. Project Labor Agreement and Letter of Assent (Prime and Subs) (2.34); The Bidder shall, when submitting their bid, acknowledge that it will abide by the Project Labor Agreement by signing and submitting a Letter of Assent in the format given in Attachment A.

5. General Contract Conditions (Article 3)

- A. Project Coordination (3.7 and 3.27); It shall be the Contractor's responsibility to coordinate all Work furnished under this Contract with the Construction Manager to make sure that all Work performance guarantees are achieved and that the Work is properly constructed, assembled, installed, and configured for reliable and continuous operation.
- B. Retainage; (3.35): 10% to start. Reduced to 5% at 50% completion.
- C. Bonds (3.55); Performance Bond ~~and Labor and Material Payment Bond~~ to be provided prior to the execution of the Contract Agreement by Owner in the amount (100%) of the Contract Sum. Also, Maintenance Bond (100% of Contract sum) required upon final acceptance of the completed work. , and Labor and Material Payment Bond
- D. Compliance with Health (COVID-19), Safety, and Environmental Laws (3.72); requires a project- specific written safety program, tailored specifically for the work on this Contract 1749 to be submitted to the Construction Manager prior to performing any work on-site.
- E. Working hours (3.74); Normally for an 8-hour period between 7:00 AM to 5:00 PM, Monday through Friday. Work performed after hours, during ALCOSAN holidays and weekends shall be overseen by the Construction Manager, as required, at the sole expense of the Contractor.
- F. Pennsylvania Prevailing Wage Rates (3.75); Minimum wage rates as set forth by the PA Prevailing Wage Act (See Article 7).

- G. Compliance to the Buy American (3.76); It is the desire of the Owner that items supplied under this Contract shall be manufactured in the United States of America and utilize American materials to the maximum practical extent, consistent with the needs of this Contract and the availability of products and components of American manufacture.
- H. Exhibit A to Article 3 – Insurance Requirements: Certificates of Insurance are required before any work begins.

6. Contract Agreement (Article 4)

- A. Contract Milestones:
Substantial Completion of Contract 1749 in **90 Days** from Notice to Proceed.
Final Completion of Contract 1749 in 120 Days from Notice to Proceed.
Contract Time (Days) is in Calendar Days.
- B. Liquidated Damages: \$100/day after Substantial Completion milestone date.

7. Bonds, Certificates and Statements (Article 6)

- A. Performance Bond (provided at beginning of contract); Labor and Material Payment Bond (provided at completion of contract); Contractor’s Certificate of Satisfaction (provided at completion of Contract); Maintenance Bond (provided at completion of Contract).

8. Technical Specifications – Contract Administration (Article 6– Division 1)

- A. Summary of Work (Section 01 11 00); Summarized by ALCOSAN PM. Also reference Bid Form (Article 1) for unit price quantities for these work items.
 - Cleaning & Sealing Concrete Deck
 - Concrete Repair (vertical – columns)
 - Concrete Spall Repair (horizontal - decking)
 - Expansion Joint Repair
 - Concrete Crack Repair
- B. Work Sequencing/Schedule: Work Area is divided into 3 Phases. Work to be completed in phases to accommodate Owners’ use of the decking of the Primary Sedimentation Tanks for temporary storage of materials and equipment.

9. Technical Specifications (Article 6 – Divisions 2 thru 7)

- A. 03 01 30 Concrete Rehabilitation; 07 19 00 Water Repellents (Concrete Penetrating Sealer); 07 92 00 Concrete Crack Repair with Polyurethane Sealant; 07 92 10 Expansion Joint Repair with Hot-Poured Sealant.

10. Prevailing Minimum Wage Determination (Article 7)

- A. This work will follow the guidelines and the schedule of pay rates in the supplied Prevailing Wage Rate Determination.

11. Contract Drawings

A. 2 Drawings.

12. Open Discussion, Questions, and Wrap-up of Pre-Bid Meeting

13. Request for Site Visits to ALCOSAN: By appointment only. Contact Ray Stasny to schedule.

◆ ◆ ◆ ◆ END OF AGENDA ◆ ◆ ◆ ◆

Bidder agrees that the unit prices represent a true measure of the labor, materials, and services required to furnish and install the item, including all allowances for overhead and profit for each type and unit of Work called for in these Bidding Documents

| Item | Description | Estimated Quantity | Unit | Unit Price (\$) | Total Extended Amount (\$) (Est. Quantity x Unit Price) |
|--|---|--------------------|------|-----------------|--|
| 1. | Cleaning & Sealing Concrete Deck (Refer to Spec. 07 19 00) | 150,000 | SF | \$ | \$ |
| 2. | Vertical Concrete Repair (Refer to Spec. 03 01 30) | 60 | SF | \$ | \$ |
| 3. | Horizontal Concrete Repair (Spall) (Refer to Spec. 03 01 30) | 80 | SF | \$ | \$ |
| 4. | Expansion Joint Repair-Hot Applied (Refer to Spec. 07 92 10) | 800 | LF | \$ | \$ |
| 5. | Crack & Joint Repair-Polyurethane (Refer to Spec. 07 92 00) | | | | |
| | 5A. Existing Joints and Cracks | 800 | LF | \$ | \$ |
| | 5B. New Cracks | 400 | LF | \$ | \$ |
| Total of extended item amounts for unit price work listed above (1+2+3+4+5A+5B): | | | | | \$ |

Bidder acknowledges that quantities are not guaranteed, and final payment will be based on actual quantities determined as provided in Bidding Documents.

8.3 BASE BID SUMMARY

8.3.1 Lump Sum Price Work (from 8.1) \$ _____

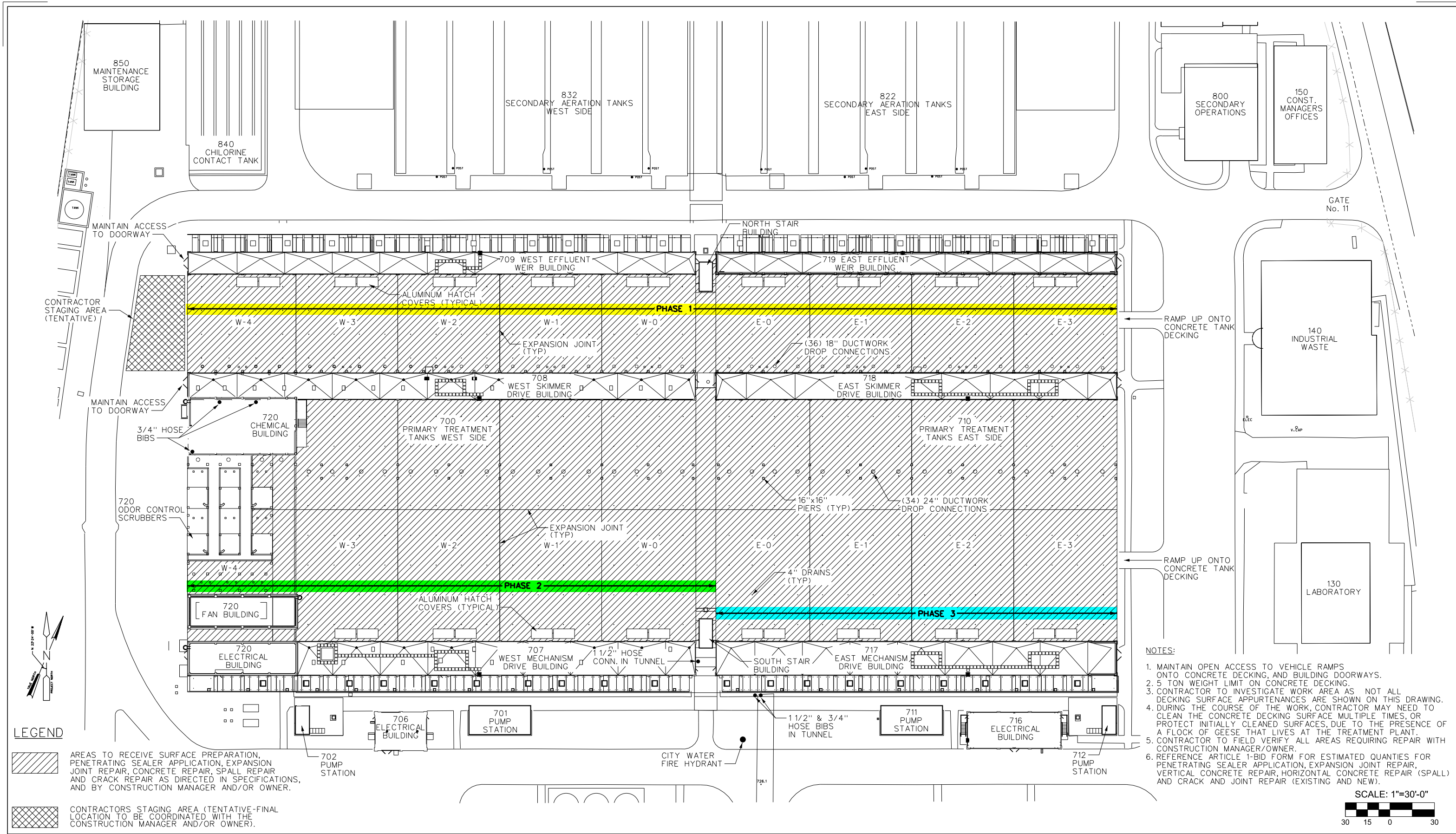
8.3.2 Total of Extended Amount for Unit Price Work (from 8.2) \$ _____

8.3.3 **Sum of the Above Numbers** (8.3.1 + 8.3.2) \$ _____

TOTAL BASE BID (From line 8.3.3)

_____ Dollars
(words)

and _____ Cents \$ _____
(words) (figures)



- NOTES:
1. MAINTAIN OPEN ACCESS TO VEHICLE RAMPS ONTO CONCRETE DECKING, AND BUILDING DOORWAYS.
 2. 5 TON WEIGHT LIMIT ON CONCRETE DECKING.
 3. CONTRACTOR TO INVESTIGATE WORK AREA AS NOT ALL DECKING SURFACE APPURTENANCES ARE SHOWN ON THIS DRAWING.
 4. DURING THE COURSE OF THE WORK, CONTRACTOR MAY NEED TO CLEAN THE CONCRETE DECKING SURFACE MULTIPLE TIMES, OR PROTECT INITIALLY CLEANED SURFACES, DUE TO THE PRESENCE OF A FLOCK OF GEESE THAT LIVES AT THE TREATMENT PLANT.
 5. CONTRACTOR TO FIELD VERIFY ALL AREAS REQUIRING REPAIR WITH CONSTRUCTION MANAGER/OWNER.
 6. REFERENCE ARTICLE 1-BID FORM FOR ESTIMATED QUANTITIES FOR PENETRATING SEALER APPLICATION, EXPANSION JOINT REPAIR, VERTICAL CONCRETE REPAIR, HORIZONTAL CONCRETE REPAIR (SPALL) AND CRACK AND JOINT REPAIR (EXISTING AND NEW).

SCALE: 1"=30'-0"

- LEGEND
- AREAS TO RECEIVE SURFACE PREPARATION, PENETRATING SEALER APPLICATION, EXPANSION JOINT REPAIR, CONCRETE REPAIR, SPALL REPAIR AND CRACK REPAIR AS DIRECTED IN SPECIFICATIONS, AND BY CONSTRUCTION MANAGER AND/OR OWNER.
 - CONTRACTORS STAGING AREA (TENTATIVE-FINAL LOCATION TO BE COORDINATED WITH THE CONSTRUCTION MANAGER AND/OR OWNER).

| | | | | |
|--------------|----------------|------|-------------|------|
| Designed by: | REVISION | | | |
| B. JOYCE | REV No. | DATE | DESCRIPTION | APPV |
| Drawn by: | ADDENDUM NO. 1 | | | BJ |
| K. WILCOX | | | | |
| Checked by: | | | | |
| S. MILLER | | | | |

ARLETTA SCOTT WILLIAMS
 EXECUTIVE DIRECTOR, ALCOSAN

ALLEGHENY COUNTY SANITARY AUTHORITY

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ALLEGHENY COUNTY SANITARY AUTHORITY
 WASTEWATER TREATMENT PLANT
 PRIMARY TANKS CONCRETE DECKING RESEALING AND REPAIRS

**700-C-01
 PRIMARY TANKS
 PLAN VIEW**

Contract: 1749
 CAD File Name: 700-C-01.DGN
 Date: 08/31/2021
 Sheet: 1 of 1

Photos 1 – 5: Examples of Vertical Concrete Repair Work

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 5:

