



June 1, 2023

**Members of the Board**

Sylvia C. Wilson  
*Chair Person*

Shannah Tharp-Gilliam, Ph.D.  
Harry Readshaw  
Emily Kinkead  
Paul Klein  
Theresa Kail-Smith  
Darrin Kelly

**CONTRACT NO. 1789**

**ASPINWALL SEWER LINE REPLACEMENT**

**A-78-02 TO A-78-04**

**ADDENDUM NO. 1**

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.  
*Director  
Regional Conveyance*

Jeanne K. Clark  
*Director  
Governmental Affairs*

Julie Motley-Williams  
*Director  
Administration*

All bidders bidding **Contract No. 1789** shall read and take note of this **Addendum No. 1**. The Contract Documents for **Contract No. 1789 – Aspinwall Sewer Line Replacement A-78-02 to A-78-04** are hereby revised and/or clarified as stated below.

**Acknowledgement of Contract No. 1789; Addendum No. 1**

The Acknowledgement attached to **Addendum No. 1** is to be signed and returned immediately via email to Kathleen P. Uniatowski at [contract.clerks@alcosan.org](mailto:contract.clerks@alcosan.org) and acknowledged with Bidder's Proposal.

Tim Prevost, P.E.  
Manager – Wet Weather Programs

**ACKNOWLEDGEMENT OF**  
**CONTRACT NO. 1789 ASPINWALL SEWER LINE REPLACEMENT**  
**A-78-02 TO A-78-04**

**ADDENDUM NUMBER 1**

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

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

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

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

## **INDEX OF ATTACHMENTS**

ATTACHMENT A: PRE-BID MEETING AGENDA (4 pages)

ATTACHMENT B: PRE-BID MEETING MINUTES (5 pages)

ATTACHMENT C: PRE-BID MEETING LIST OF ATTENDEES (3 pages)

ATTACHMENT D: PRE-BID PHOTOGRAPH PRESENTATION (11 pages)

ATTACHMENT E: QUESTIONS AND ANSWERS (3 pages)

**ATTACHMENT A: PRE-BID MEETING AGENDA**





**CONTRACT NO. 1789  
ASPINWALL SEWER LINE REPLACEMENT A-78-02 TO A-78-04**

**PREBID MEETING AGENDA  
Thursday May 25, 2023 10:00AM  
ALCOSAN CST Building**

**INTRODUCTIONS AND KICKOFF**

Michael Lichte – ALCOSAN Director of Regional Conveyance  
Zach Hughes – ALCOSAN Project Manager (PM)  
Nate Carll - ALCOSAN Interceptor Manager  
Shawn McWilliams - ALCOSAN Project Engineer  
Suzanne Thomas – ALCOSAN Procurement Officer  
Jeff Coffey – DLZ Project Manager  
Jamie North – DLZ Field Services Lead  
\*See attached List of Attendees

**MEETING INTRODUCTIONS**

The Pre-Bid Meeting is being recorded for record purposes and for compiling minutes but is not planned for distribution. The information provided in this meeting is intended to introduce the project details to potential bidders. Questions and requests for clarifications must be submitted in writing prior to the deadline for questions to be officially answered in an issued addendum.

A list of attendees for this meeting will be distributed from the sign-in sheet.

**MBE/WBE REQUIREMENTS**

Article 2 Section 2.27 and Article 1 – Pages 1-21 to 1-25. MBE/WBE requirements in the Contract urge bidders to participate in meeting the 10-25% goal. ALCOSAN accepts DBE certification from the Port Authority, Allegheny County Department of General Services and PennDOT. Any other certification will be reviewed on a case by case basis. Lack of submittal of MBE/WBE documentation is possible cause for rejection of the bid.

The PA UCP ([www.paucp.com](http://www.paucp.com)) site was a good resource to find companies.

ALCOSAN requires the submittal of a monthly MBE/WBE Utilization Report, which will accompany the pay estimates.

For any questions on MBE/WBE requirements please contact Suzanne Thomas at [suzanne.thomas@alcosan.org](mailto:suzanne.thomas@alcosan.org).

## **CONTRACT SUMMARY**

Contract involves the replacement of approximately 1,937 linear feet of existing sewer and water piping and involves a contract completion duration of 120 calendar days.

Please review the contingent item and quantity language in the Measurement and Payment section and Article 2 Sections 2.4 and 2.17.

Contract Estimate is \$2,669,750.

## **CONSTRUCTION INSPECTION**

ALCOSAN will have on-site resident representatives assigned to review and monitor the work.

## **LEGAL NOTICE**

Public bid opening is Tuesday, June 6, 2023 at 11:00 am. If the contractor is using a delivery service such as Fed Ex or UPS, it is their responsibility to confirm that delivery was made prior to this time.

Contract Documents may be examined and obtained at the Engineering office of the Authority. A non-refundable fee of One hundred dollars (\$100) (no cash or credit cards will be accepted) will be charged for each set of Contract Documents received. Bid Security shall be furnished by providing with the Bid a Certified Check or Bid Bond in the amount of 10% of the Bid Price. Contract documents must be purchased directly from ALCOSAN to qualify as an eligible bidder.

Any questions regarding the Technical Specifications should be directed to Zach Hughes, ALCOSAN, via email to [zachary.hughes@alcosan.org](mailto:zachary.hughes@alcosan.org).

Any questions regarding the Purchase of Contract Documents should be directed to Kaylynn Banks, ALCOSAN, via email to [contract.clerks@alcosan.org](mailto:contract.clerks@alcosan.org).

Deadline for technical questions is 11:00 am on Tuesday, May 30, 2023.

## **BIDDING DOCUMENTS (ARTICLE 1)**

Submission of Bid: All Article 1 documents must be completed and submitted with the bid.

Lowest responsive Bidder will be based on the sum of Bid Items 1 through C.33. Only the Article 1 Bid Forms and supporting documents need to be submitted in the bid envelope, not the entire specifications book.

The intent is to award this contract at the July 2023 Board Meeting and issue a Notice to Proceed for late August or early September 2023.

## **INFORMATION FOR BIDDERS (ARTICLE 2)**

If any alleged errors are noted in the Contract Documents, Bidder should immediately notify Zach Hughes and, if confirmed, an Addenda will be sent to all prospective Bidders known to have received the Contract Documents.

2.3 Location – The work is primarily located within the PWSA Aspinwall Water Treatment Plant Site, adjacent to the Aspinwall Pump Station and Clearwell, located at 686 Freeport Road, Pittsburgh, PA 15215.

2.4 Description of Bid Items – Please refer to Article 2, Section 2.4 for a description of the Bid Items.

2.6 Sealed Bids to be submitted to ALCOSAN Engineering Department on or before Bid Opening time and date of 11:00 AM, Tuesday, June 6, 2023; late bids will be treated as “nonresponsive” and returned to Bidder unopened. If the Bid is submitted with conditions or exceptions, or not in conformance with the terms and conditions of the Contract Documents, it may be rejected.

2.7 Supplementary Information Package (SIP): Experience, Equipment, and Subcontractors.

2.10 ALCOSAN reserves the right to reject all bids.

2.18 Bidders shall acknowledge receipt of all Addenda and signify same by attaching signed copies of each Addendum to the Contract Documents submitted along with their Bid, and by noting each Addendum received, by its identifying number and date received, on the face of its sealed Bid envelope.

2.22 Bid Security 10% of the Total Lump Sum Price certified check or bid bond.

Attachment A: Contractor shall execute Letter of Assent prior to commencing work.

## **GENERAL CONTRACT CONDITIONS (ARTICLE 3)**

3.73 Health, Safety and Environmental Laws – ALCOSAN approval of safety manual required for work start.

- ALCOSAN provided template must be utilized for HASP submission (tech section 1010)

3.75 Working Hours: Any work performed outside normal working hours as defined in Article 3.75 will require prior approval and 48-hours' notice. Work on the PWSA site can extend until 7:00pm. Bypass pumping operations will be necessary 24-7.

3.78 PA Steel Products Procurement Act

Exhibit A – Insurance Requirements, Certificates required before any work begins.

## **CONTRACT AGREEMENT (ARTICLE 4)**

Substantial Completion of Contract 1789: 120 Calendar days from NTP.

Liquidated Damages:

- Substantial Completion of Contract No.1789 - \$500/day

## **BONDS, CERTIFICATES AND STATEMENTS (ARTICLE 5)**

Performance Bond, Labor and Material Bond, Contractors Certificate of Satisfaction, Maintenance Bond, Railroad Protection Liability Insurance (if required).

## **SPECIFICATIONS (ARTICLE 6)**

Contractors should be aware that they are responsible for their shoring plans. ALCOSAN may request engineered designs at any time.

02080 – Bypass Pumping

## **PREVAILING WAGE RATES (ARTICLE 7)**

Prevailing wages apply to this contract.

## **DRAWINGS**

- C-001 – Flow Maintenance (Bypass) Notes
- C-002 – General Sequence of Construction
- C-002 – Site Restrictions

## **QUESTIONS**

All technical questions regarding these contract documents shall be submitted in writing no later than 11:00 am on Tuesday, May 30, 2023, and should be directed via email to [zachary.hughes@alcosan.org](mailto:zachary.hughes@alcosan.org).

**ATTACHMENT B: PRE-BID MEETING MINUTES**



**CONTRACT NO. 1789  
ASPINWALL SEWER LINE REPLACEMENT A-78-02 TO A-78-04**

**PREBID MEETING SUMMARY  
Thursday May 25, 2023 10:00AM  
ALCOSAN CST Building**

**INTRODUCTIONS AND KICKOFF**

Michael Lichte – ALCOSAN Director of Regional Conveyance (not in attendance)  
Zach Hughes – ALCOSAN Project Manager (PM)  
Nate Carll - ALCOSAN Interceptor Manager  
Shawn McWilliams - ALCOSAN Project Engineer  
Suzanne Thomas – ALCOSAN Procurement Officer  
Jeff Coffey – DLZ Project Manager  
Jamie North – DLZ Field Services Lead  
\*See attached List of Attendees

**MEETING INTRODUCTIONS**

The Pre-Bid Meeting is being recorded for record purposes and for compiling minutes but is not planned for distribution. The information provided in this meeting is intended to introduce the project details to potential bidders. Questions and requests for clarifications must be submitted in writing prior to the deadline for questions to be officially answered in an issued addendum.

A list of attendees for this meeting will be distributed from the sign-in sheet.

**MBE/WBE REQUIREMENTS**

Article 2 Section 2.27 and Article 1 – Pages 1-21 to 1-25. MBE/WBE requirements in the Contract urge bidders to participate in meeting the 10-25% goal. ALCOSAN accepts DBE certification from the Port Authority, Allegheny County Department of General Services and PennDOT. Any other certification will be reviewed on a case by case basis. Lack of submittal of MBE/WBE documentation is possible cause for rejection of the bid.

The PA UCP ([www.paucp.com](http://www.paucp.com)) site is a good resource to find companies. ALCOSAN does not certify companies but may accept certifications performed by other agencies.

ALCOSAN requires the submittal of a monthly MBE/WBE Utilization Report, which will accompany the pay estimates.

For any questions on MBE/WBE requirements please contact Suzanne Thomas at [suzanne.thomas@alcosan.org](mailto:suzanne.thomas@alcosan.org).

## **CONTRACT SUMMARY**

Contract involves the replacement of approximately 1,937 linear feet of existing sewer and water piping and involves a contract completion duration of 120 calendar days.

Please review the contingent item and quantity language in the Measurement and Payment section and Article 2 Sections 2.4 and 2.17.

Contract Estimate is \$2,669,750.

## **CONSTRUCTION INSPECTION**

ALCOSAN will have on-site resident representatives assigned to review and monitor the work.

## **LEGAL NOTICE**

Public bid opening is Tuesday, June 6, 2023 at 11:00 am. If the contractor is using a delivery service such as Fed Ex or UPS, it is their responsibility to confirm that delivery was made prior to this time.

Contract Documents may be examined and obtained at the Engineering office of the Authority. A non-refundable fee of One hundred dollars (\$100) (no cash or credit cards will be accepted) will be charged for each set of Contract Documents received. Bid Security shall be furnished by providing with the Bid a Certified Check or Bid Bond in the amount of 10% of the Bid Price. Contract documents must be purchased directly from ALCOSAN to qualify as an eligible bidder.

Any questions regarding the Technical Specifications should be directed to Zach Hughes, ALCOSAN, via email to [zachary.hughes@alcosan.org](mailto:zachary.hughes@alcosan.org).

Any questions regarding the Purchase of Contract Documents should be directed to Kaylynn Banks, ALCOSAN, via email to [contract.clerks@alcosan.org](mailto:contract.clerks@alcosan.org).

Deadline for technical questions is 11:00 am on Tuesday, May 30, 2023.

## **BIDDING DOCUMENTS (ARTICLE 1)**

Submission of Bid: All Article 1 documents must be completed and submitted with the bid.

Lowest responsive Bidder will be based on the sum of Bid Items 1 through C.33. Only the Article 1 Bid Forms and supporting documents need to be submitted in the bid envelope, not the entire specifications book.

The intent is to award this contract at the July 2023 Board Meeting and issue a Notice to Proceed for late August or early September 2023.

## **INFORMATION FOR BIDDERS (ARTICLE 2)**

If any alleged errors are noted in the Contract Documents, Bidder should immediately notify Zach Hughes and, if confirmed, an Addenda will be sent to all prospective Bidders known to have received the Contract Documents.

- 2.3 Location – The work is primarily located within the PWSA Aspinwall Water Treatment Plant Site, adjacent to the Aspinwall Pump Station and Clearwell, located at 686 Freeport Road, Pittsburgh, PA 15215.
- 2.4 Description of Bid Items – Please refer to Article 2, Section 2.4 for a description of the Bid Items.
- 2.6 Sealed Bids to be submitted to ALCOSAN Engineering Department on or before Bid Opening time and date of 11:00 AM, Tuesday, June 6, 2023; late bids will be treated as “nonresponsive” and returned to Bidder unopened. If the Bid is submitted with conditions or exceptions, or not in conformance with the terms and conditions of the Contract Documents, it may be rejected.
- 2.7 Supplementary Information Package (SIP): Experience, Equipment, and Subcontractors.
- 2.10 ALCOSAN reserves the right to reject all bids.
- 2.18 Bidders shall acknowledge receipt of all Addenda and signify same by attaching signed copies of each Addendum to the Contract Documents submitted along with their Bid, and by noting each Addendum received, by its identifying number and date received, on the face of its sealed Bid envelope.
- 2.22 Bid Security 10% of the Total Lump Sum Price certified check or bid bond.

Attachment A: Contractor shall execute Letter of Assent prior to commencing work.

## **GENERAL CONTRACT CONDITIONS (ARTICLE 3)**

- 3.73 Health, Safety and Environmental Laws – ALCOSAN approval of safety manual required for work start.



- ALCOSAN provided template must be utilized for HASP submission (tech section 1010)

3.75 Working Hours: Any work performed outside normal working hours as defined in Article 3.75 will require prior approval and 48-hours' notice. Work on the PWSA site can extend until 7:00pm. Bypass pumping operations will be necessary 24-7.

3.78 PA Steel Products Procurement Act

Exhibit A – Insurance Requirements, Certificates required before any work begins.

## **CONTRACT AGREEMENT (ARTICLE 4)**

Substantial Completion of Contract 1789: 120 Calendar days from NTP.

Liquidated Damages:

- Substantial Completion of Contract No.1789 - \$500/day

## **BONDS, CERTIFICATES AND STATEMENTS (ARTICLE 5)**

Performance Bond, Labor and Material Bond, Contractors Certificate of Satisfaction, Maintenance Bond, Railroad Protection Liability Insurance (if required).

## **SPECIFICATIONS (ARTICLE 6)**

Contractors should be aware that they are responsible for their shoring plans. ALCOSAN may request engineered designs at any time.

02080 – Bypass Pumping

## **PREVAILING WAGE RATES (ARTICLE 7)**

Prevailing wages apply to this contract.

## **DRAWINGS**

- C-001 – Flow Maintenance (Bypass) Notes
- C-002 – General Sequence of Construction
- C-002 – Site Restrictions

## **PROJECT OVERVIEW**

**DLZ provided an overview of the project and walked through the attached presentation displaying aerial views of the area and site photographs. A few important project specific items were noted for the contractor's consideration.**

- **Contractors are required to coordinate with PWSA for access and site-specific training for work on the water treatment plant is required.**

- **24-hour bypass plan will be required. Flows have been provided in the Contract Documents.**
- **In addition to the removal and replacement of the sanitary sewer, some waterline relocation is required.**
- **If suspected contaminated material is encountered in the material to be disposed, it is to be tested to determine appropriate disposal procedures.**
- **Some railroad tracks in the PWSA area are to be removed and disposed.**
- **Contractor is responsible for E&S controls and tree permits. It was noted that the PWSA Environmental Compliance Manager's office is located at the water treatment plant. Contractors are advised to ensure project compliance controls meet the required standards and permit requirements.**
- **The meeting was followed by a site walk through starting at 11:30 AM.**

## **QUESTIONS**

All technical questions regarding these contract documents shall be submitted in writing no later than 11:00 am on Tuesday, May 30, 2023, and should be directed via email to [zachary.hughes@alcosan.org](mailto:zachary.hughes@alcosan.org). This is the correct email address, the email address included in the legal advertisement had a typing error.

**ATTACHMENT C: PRE-BID MEETING LIST OF ATTENDEES**

# ALLEGHENY COUNTY SANITARY AUTHORITY

## PRE-BID MEETING ATTENDANCE

**PROJECT:** Aspinwall Sewer Line Replacement A-78-02 to A-78-04

**CONTRACT:** 1789

**DATE:** Thursday, May 25, 2023

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

### ATTENDEES

### PLEASE PRINT CLEARLY

|    | NAME                        | AFFILIATION                           | PHONE               | E-MAIL                           |
|----|-----------------------------|---------------------------------------|---------------------|----------------------------------|
| 1  | Michael Lichte              | ALCOSAN                               | (412) 732-8004      | michael.lichte@alcosan.org       |
| 2  | Zach Hughes                 | ALCOSAN                               | (412) 510-5119      | Zachary.Hughes@alcosan.org       |
| 3  | Joe Sparbanie               | ALCOSAN                               | (412) 732-8046      | joseph.sparbanie@alcosan.org     |
| 4  | Shawn McWilliams <i>SRM</i> | ALCOSAN                               | (412) 732-8053      | Shawn.mcwilliams@alcosan.org     |
| 5  | Nate Carll                  | ALCOSAN                               | (412) 734-6237      | nathan.carll@alcosan.org         |
| 6  | Jeff Livezey                | ALCOSAN                               | (412) 734-6287      | jeffrey.livezey@alcosan.org      |
| 7  | Kathleen Uniatowski         | ALCOSAN                               | (412) 732-8049      | Kathleen.Uniatowski@alcosan.org  |
| 8  | Jeff Coffey                 | DLZ                                   | (614) 906-0677      | jcoffey@dlz.com                  |
| 9  | Jamie North <i>JN</i>       | DLZ                                   | (412) 319-4055      | jnorth@dlz.com                   |
| 10 | <i>BRYAN FRYE</i>           | <i>FAY</i>                            | <i>724 713 2932</i> | <i>brye@SHIKUNUSA.COM</i>        |
| 11 | <i>Heath Cope</i>           | <i>FAY</i>                            | <i>412-715-9074</i> | <i>Hcope@JBFayCO.COM</i>         |
| 12 | Bryan Teschke               | The Lexis Group, LLC <sup>(WBE)</sup> | 724-421-9046        | bteschke@thelexisgroupllc.com    |
| 13 | <i>Ken Booth</i>            | <i>Motterson</i>                      | <i>412 935 7680</i> | <i>KBooth@motterson.com</i>      |
| 14 | <i>Mike McGreal</i>         | <i>Hatch</i>                          | <i>304-281-4876</i> | <i>Michael.McGreal@Hatch.com</i> |

# ALLEGHENY COUNTY SANITARY AUTHORITY

## ATTENDEES

|    | NAME            | AFFILIATION | PHONE          | FAX | E-MAIL                 |
|----|-----------------|-------------|----------------|-----|------------------------|
| 15 | CHRIS EHRLHARDT | WAGE TRIM   | (724) 544 2467 | ( ) | cehrhardt@wagetrim.com |
| 16 |                 |             | ( )            | ( ) |                        |
| 17 |                 |             | ( )            | ( ) |                        |
| 18 |                 |             | ( )            | ( ) |                        |
| 19 |                 |             | ( )            | ( ) |                        |
| 20 |                 |             | ( )            | ( ) |                        |
| 21 |                 |             | ( )            | ( ) |                        |
| 22 |                 |             | ( )            | ( ) |                        |
| 23 |                 |             | ( )            | ( ) |                        |
| 24 |                 |             | ( )            | ( ) |                        |
| 25 |                 |             | ( )            | ( ) |                        |
| 26 |                 |             | ( )            | ( ) |                        |
| 27 |                 |             | ( )            | ( ) |                        |
| 28 |                 |             | ( )            | ( ) |                        |
| 29 |                 |             | ( )            | ( ) |                        |
| 30 |                 |             | ( )            | ( ) |                        |
| 31 |                 |             | ( )            | ( ) |                        |

**Summary****Meeting title****Attended****Start time****End time****Meeting duration****Average attendance time****PRE-BID MEETING: 1789 Aspinwall Sewer Line Replaceemnt A-78-02 to A-78-04**

10

5/25/23, 10:07:17 AM

5/25/23, 10:33:09 AM

25m 52s

22m

**Participants****NAME****COMPANY****EMAIL****In-meeting duration**

Kathleen P. Uniatowski

ALCOSAN

[Kathleen.Uniatowski@alcosan.org](mailto:Kathleen.Uniatowski@alcosan.org)

Joined

5/25/2023, 10:07:17 AM

Suzanne Thomas

ALCOSAN

[suzanne.thomas@alcosan.org](mailto:suzanne.thomas@alcosan.org)

Joined before

5/25/2023, 10:07:17 AM

Zachary Hughes

ALCOSAN

[Zachary.Hughes@alcosan.org](mailto:Zachary.Hughes@alcosan.org)

Joined before

5/25/2023, 10:07:17 AM

Nathan Dickman, P.E.

DLZ

[ndickman@dlz.com](mailto:ndickman@dlz.com)

Joined before

5/25/2023, 10:07:17 AM

Joe Urban

W.A. Petrakis Contracting, LLC

[wapetrakis@gmail.com](mailto:wapetrakis@gmail.com)

Joined before

5/25/2023, 10:07:17 AM

Bob Quackenbush

SAK Construction

[rquackenbush@sakcon.com](mailto:rquackenbush@sakcon.com)

Joined before

5/25/2023, 10:07:17 AM

Tom Hessler

DLZ

[thessler@dlz.com](mailto:thessler@dlz.com)

Joined before

5/25/2023, 10:07:17 AM

Regan Thompson

Frank J. Zottola Construction, Inc.

[rthompson@fjzottola.com](mailto:rthompson@fjzottola.com)

Joined before

5/25/2023, 10:07:17 AM

Cory Heller

The Lexis Group

[coryheller@thelexisgrouppllc.com](mailto:coryheller@thelexisgrouppllc.com)

Joined

5/25/2023, 10:14:48 AM

Zottola, Frank

Independence Excavating, Inc

[fzottola@indexc.com](mailto:fzottola@indexc.com)

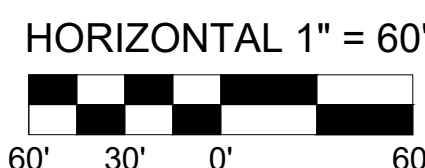
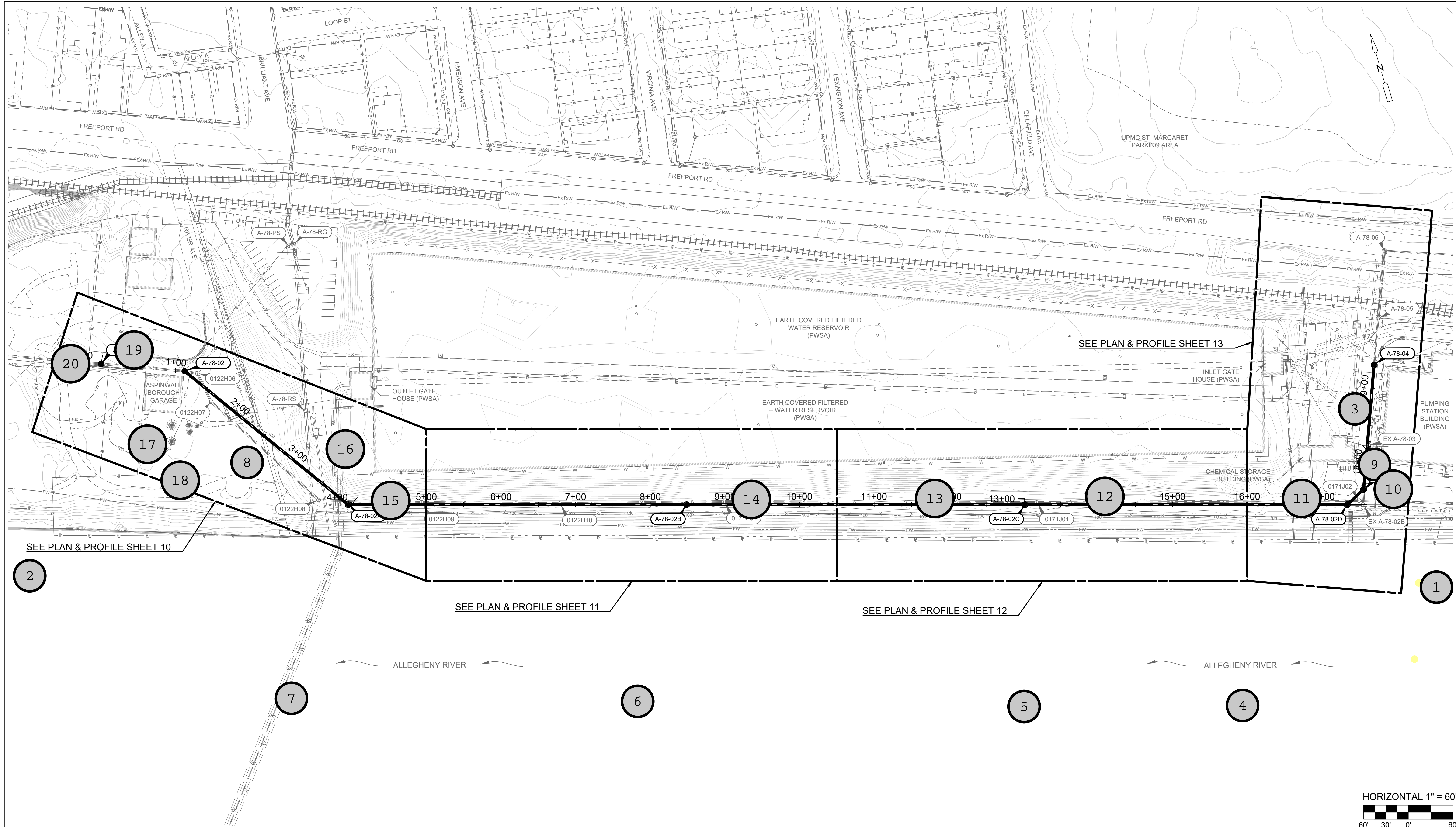
Joined



5/25/2023, 10:15:30 AM

**ATTACHMENT D: PRE-BID PHOTOGRAPH PRESENTATION**



X:\Projects\2023\2325600100 ALCOSAN-ART-NSF602 Design Files\CAD\Sheet Files\789\_KEY\_01.dwg, Last Saved By: amitchell, 4/4/2023 1:38 PM, Last Printed By: Aaron Mitchell, PE, 4/4/2023 9:02 PM



|              |          |      |             |  |   |  |                       |                |
|--------------|----------|------|-------------|--|---|--|-----------------------|----------------|
| Designed by: | REVISION |      |             |  |  | ARLETTA SCOTT WILLIAMS<br>EXECUTIVE DIRECTOR, ALCOSAN<br><br>3300 PREBLE AVE.<br>PITTSBURGH, PA 15233<br>(412) 766 - 4810<br><br>www.alcosan.org | <b>SITE PHOTO LOG</b> | Contract:      |
| Drawn by:    | REV No.  | DATE | DESCRIPTION |  |   |  |                       | 1789           |
| Checked by:  |          |      |             |  |   |  |                       | CAD File Name: |
|              |          |      |             |  |   |  |                       | Date:          |
|              |          |      |             |  |   |  |                       | Sheet:         |





1) Aerial Eastend Looking West



2) Aerial Westend Looking East





3) Aerial View of Eastend



4) Aerial View of Eastend





5) Aerial View of Eastend



6) Aerial View of Westend





7) Aerial View of Westend



8) Aerial View of Westend





9) Ground View near STA 17+50, Looking North



10) Existing Manhole A-78-02B





11) Ground View near STA 17+00, Looking West



12) Ground View near STA 14+00, Looking West





13) Ground View near STA 12+00, Looking West



14) Ground View near STA 9+00, Looking West





15) Ground View near STA 4+00, Looking West



16) Standing on Southwest Corner of PWSA Clearwell, Looking Southwest





17) Allegheny RiverTrail Park, Looking East at PWSA Clearwell



18) Allegheny RiverTrail Park, Looking North at Existing Manhole A-78-02





19) Aspinwall Borough Garage, Looking East at Existing Manhole A-78-02



20) Looking East at Approximate Location of Proposed Manhole A-78-01

## **ATTACHMENT E: QUESTIONS AND ANSWERS**

## **QUESTIONS AND ANSWERS**

*Items listed below represent questions received after the Pre-Bid Meeting on Thursday, May 25 2023 and prior to the deadline of 2:00 PM on, Tuesday, May 30, 2023.*

**Question:** It appears that work at manhole A-78-05 could be within Norfolk Southern Right of Way. Has Alcosan coordinated with the railroad for right of entry or the need for railroad flaggers, etc? Please clarify.

*Answer:* As shown on sheet C-104, the manhole is outside of the PWSA fencing but is located on the PWSA Property. ALCOSAN has not contacted the railroad about using the manhole for bypassing flows. If the contractor elects to bypass flows from MH A-78-05, all costs associated with any railroad coordination shall be included in the cost of Bid Item 2 Bypass Pumping. The contractor must plan on obtaining railroad protective liability insurance, have railroad flaggers, and pay any fees charged by the railroad. Also refer to Note 4 of the Site Restrictions on sheet C-002.

**Question:** What are the restrictions or allowable durations to when bypass pumping operations can outlet to the existing Fox Chapel sewer system?

*Answer:* The anticipated peak flow in the Fox Chapel 30" sewer is noted as 6.4 MGD. The full flow capacity of the 30" at 0.36% slope is approximately 16 MGD. There is a short segment at 0.06% slope that has a capacity of approximately 6.5 MGD. Consequently, it is anticipated that there is adequate capacity available if the contractor discharges to MH 0122H10 on the Fox Chapel Sewer. Wet weather conditions may cause the gravity sewer to flow higher than anticipated, so monitoring of the sewer may be required if such conditions are experienced.

**Question:** Will there be any more site visits?

*Answer:* No additional site visits will be led or coordinated by ALCOSAN. Contractors are made aware that the existing PWSA site is an active water treatment plant with restricted access.

**Question:** Is it required to be a Union Contractor to place a bid for this project?

*Answer:* No, but Contractors must follow prevailing wages for paying employees and the Project Labor Stabilization Agreement included in Attachment A of Article 2.

**Question:** What will be the method of compaction and testing due to vibration requirements?

*Answer:* Please refer to Notes 7, 9.1, and 9.2 of the Site Restrictions on sheet C-002 for site vibration limitations. Structural Fill is required under all pavement and within the entire PWSA site (C-204). Specification Section 02220 and Section 3.02 outline the compaction requirements.

**Question:** Items 10-11-12, can Pre-cast bottoms be used instead of pouring bottoms where feasible?

*Answer:* No.

**Question:** Item 17, what is the reason for hauling 2650 cy off site to land fill, it is close to all the excavated material for installation of new system?

*Answer:* Excavated material must be removed from the site due to the backfill requirements shown on Detail SW-4 of Sheet C-204.

**Question:** It appears that bypass pumping will be required on the 30" 24" and 14"AC, 24hrs a day to perform the work from the junction box down?

*Answer:* All three lines will need to be bypassed to construct some portions of the sewer, particularly from the new junction to replacing manhole MH A-78-02. Note that the means, methods and phasing of the bypassing is the responsibility of the contractor.

**Question:** Has any soil testing been performed on site?

*Answer:* ALCOSAN has not performed any soil testing for this project.

**Question:** Can the 12" CFS be placed at the inside bottom of fence?

*Answer:* That is the intent.

**Question:** Will any trees removed need to be replaced?

*Answer:* Three trees are called out to be removed, but no trees are to be replaced on the project site. Contractors are responsible for coordinating and applying for tree permits through City Forestry. Bid Item 23 is for "Clearing, Grubbing, Tree Removal and Replacement" and should cover all costs and fees associated with tree removal and city permitting.

**Question:** It was stated in the pre-bid meeting that the project is to be completed in 120 calendar days. However, on sheet 2A-2 Attachment A LSA – Letter of Assent it states project must be completed in 90 days following NTP. Please clarify.

*Answer: 120 days is correct, per Article 4 of the Contract Documents.*

**Question:** Is there any chance of extending the bid date due to the Holiday?

*Answer: No extension will be added at this time.*

**\*\*END OF ADDENDUM #1\*\***