



Memorandum

December 18, 2025

CONTRACT NO. 1815

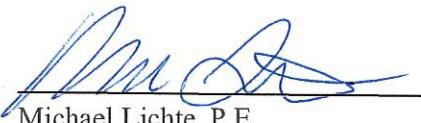
Miscellaneous Sewer Improvement 2025-2026

ADDENDUM NO. 1

All bidders bidding **Contract No. 1815** shall read and take note of this **Addendum No. 1**. The Contract Documents for **Contract No. 1815 – MISCELLANEOUS SEWER IMPROVEMENT 2025-2026** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1815; Addendum No. 1

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



Michael Lichte, P.E.

Director - Regional Conveyance

ACKNOWLEDGEMENT OF
CONTRACT NO. 1815
MISCELLANEOUS SEWER IMPROVEMENT 2025-2026
ADDENDUM NUMBER 1

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

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CONTRACT 1815 - SEWER IMPROVEMENT CONTRACT 2025-2026

PREBID MEETING MINUTES
Tuesday December 16, 2025 10:00AM
Microsoft Teams Video Conference

INTRODUCTIONS AND KICKOFF

Michael Lichte – ALCOSAN Director of Regional Conveyance
Joe Sparbanie - ALCOSAN Project Engineer
Steven Bristol – ALCOSAN Project Engineer (PM)
Jeff Livezey – ALCOSAN Construction Supervisor
Courtney Dumm – Hatch Design Engineer/Contract Administrator
Colin Lampark – Hatch Design Engineer

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 created based on individual's inputs (name/company/phone number/email address) in the Microsoft Teams Chat function or via email to steven.bristol@alcosan.org. Participants that do not supply this information will not be accounted for in the attendee list.

MBE/WBE REQUIREMENTS

Article 2 Section 2.27 and Article 1 – Pages 1-20 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. ALCOSAN does not accept self-certification and does not accept certification from third parties that accept self-certification.

The PA UCP (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 payment applications.

For any questions on MBE/WBE requirements please contact our Procurement department at procurement@alcosan.org.

CONTRACT SUMMARY

Contract is a SEWER IDIQ CONTRACT to address as-needed sewer improvements and emergencies as they arise and the site-specific items that will be described in more detail below, for a duration of 500 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 \$2,719,522.85

CONSTRUCTION INSPECTION

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

LEGAL NOTICE

Public bid opening is **now Friday, January 16, 2026 at 11:00 am**. If the contractor is using a delivery service such as Fed Ex or UPS, they may wish 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 total 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 Steven Bristol, ALCOSAN, via email to steven.bristol@alcosan.org.

Any questions regarding the Purchase of Contract Documents should be directed to Judith Shropshire, ALCOSAN, via email to contract.clerks@alcosan.org.

Deadline for technical questions is 4:00 pm on **Wednesday, January 7th, 2026**.

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.62. 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 February 2026 Board Meeting and issue a Notice to Proceed for March 2026.

INFORMATION FOR BIDDERS (ARTICLE 2)

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

2.3 Location – ALCOSAN Regional Conveyance System and surrounding municipal stakeholder sewer systems.

2.4 Description of Bid Items:

After an emergency site has been identified the contractor has 24 hours after notification to be fully mobilized on site. For all other sites the contractor has up to 5 business days to fully mobilize.

Prospective bidders should review the policies of the respective municipalities/PennDOT regarding Street Opening and MPT permits.

In the case of highway occupancy permits for PennDOT, bidders should anticipate receiving some assistance from ALCOSAN.

2.7 Sealed Bids to be submitted to ALCOSAN Engineering Department on or before Bid Opening time and date of **Friday, January 16, 2026**, at 11:00 am; 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.

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

2.10 ALCOSAN reserves the right to reject any and all bids.

2.17 Quantities:

Language per Article 2 Section 2.17:

“Contingent items of Work shall be done when ordered in the field and shall be paid for at the contract unit bid price. The purpose of the contracts items designated in the bid form as “C” is to establish unit prices for work not included in other bid items. The Engineer has the right to order that contingent work be provided in smaller or larger quantities than the estimated quantity indicated in the Bid Form. The Contractor shall not have any right to demand payment for, and will not be paid for, any costs associated with the item, including, but not limited to overhead and profit, due to the fact that the item was not used in the work or was used in smaller or larger quantities than those indicated in the bid form. The Contract Sum shall be subject to adjustment according to final measured quantities and the unit prices in the bid will apply to such final quantities.”

2.18 The Acknowledgment attached to Addendum No. 1 is to be signed and returned immediately to the Engineering Department at contract.clerks@alcosan.org and acknowledged with the Bidder’s Proposal.

2.21 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 (technical specification Section 01010)

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.

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 1815: 500 Calendar days from NTP.

Liquidated Damages:

- Failure to mobilize within 5 business days of a non-emergency site - \$500/day
- Failure to mobilize within 24 hours of an emergency site - \$1,000/day
- Substantial Completion of Contract No.1815 - \$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).

TECHNICAL SPECIFICATIONS (ARTICLE 6)

Please review the Trench Excavation Section 02205 for guidance on payment for manhole and pipe items.

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

All excavation in paved areas requires that appropriate street and traffic permits be in place. Saw cutting of the pavement prior to excavation is required for all paved areas.

PREVAILING WAGE RATES (ARTICLE 7)

Prevailing wages apply to this contract.

APPENDICES

- Appendix A – Contract Drawings

BID ITEMS OF NOTE (AND DRAWING REVIEW)

Item 1: Mobilization to Specified Sites, Bonds and Insurance

- Payment shall be lump sum for the entire project
- For mobilization to site specific **Items 2-5**
- If Railroad Protective Liability Insurance is required, it will be paid for under **Item C.58**.
- This item DOES NOT include mobilization to emergency and/or as-directed sites to complete contingent work. Mobilization to emergency/as-directed sites to complete contingent work shall be paid via **Item C.6: Emergency Mobilization**.

Item 2: A-16 Site Work

- Includes, but is not limited to:
 - Access to the site (including coordination and acquisition of permits from Friends of the Riverfront and the City of Pittsburgh pending method of access).
 - This site is located between the Allegheny River and the Strip District Trail.
 - Excavation
 - Installation of stone subbase
 - All surface preparation prior to new concrete placement
 - Installation of a new concrete slab
 - Installation of a new concrete stem wall
 - Installation of timber stairs, and associated appurtenances
 - Placement of stone for stabilization
 - Site preparation and final restoration
 - Traffic control
 - Erosion and sedimentation control measures

Item 3: C-08 Site Work

- Includes, but is not limited to:
 - Site access
 - All demolition including saw-cutting to neat lines, temporary fluming and flow control measures
 - Temporary structure protection and barricading
 - Excavation
 - Installation and maintenance of a cofferdam
 - Micropile concrete caps
 - All surface preparation prior to new concrete placement
 - Installation of concrete walls, concrete flow channels, and an elevated concrete slab
 - Installation of manhole castings
 - Site preparation
 - Grading and backfill
 - Placement of stone stabilization
 - Final restoration
 - Traffic control
 - Erosion and sedimentation control measures
- **Note:** Micropile installation at C-08 shall be paid for under **Item C.7 and C.9** for overburden soils and rock respectively. Lateral proof testing shall be paid for under **Item C.61**.
- **Permit:** A PADEP General Permit has been obtained for work at this site. Compliance with permit requirements is incidental to this bid item.
- The micropiles will be a delegated design.

Item 4: T-29A Site Work

- Includes, but is not limited to:
 - Site access (including coordination of use of public and park space)
 - All demolition work including saw-cutting to neat lines and removal of specified pipe sections
 - Abandonment of existing pipes
 - Excavation
 - Bypass pumping operation and maintenance
 - Installation and maintenance of a cofferdam
 - Installation of two (2) manholes including castings and all appurtenances
 - Installation of RCP pipe (with concrete encasement where specified)
 - Placement of stone stabilization
 - Final restoration
 - Traffic control
 - Erosion and sedimentation control measures
- **Permit:** A PADEP General Permit has been obtained for work at this site. Compliance with permit requirements is incidental to this bid item.
 - In-stream work at T-29A shall NOT take place between March 1 and June 15 due to Turtle Creek being a trout stocked stream.

Item 5: M-26 Site Work

- Includes, but is not limited to:
 - Site access (including all required coordination, permissions, and permits pending method of access)
 - This site is located upstream of the Hot Metal Bridge on the bank of the Monongahela River. Marine access may need to be considered.
 - All demolition including saw-cutting to neat lines, temporary fluming and flow control measures
 - Temporary structure protection and barricading
 - Excavation
 - Installation and maintenance of a cofferdam
 - Micropile connection brackets and micropile concrete caps
 - All surface preparation prior to new concrete placement, Installation of concrete walls, concrete fill, an elevated concrete slab and a concrete curb
 - Installation of a new flap gate
 - Installation of timber stairs
 - Site preparation
 - Placement of stone stabilization
 - Final restoration
 - Traffic control
 - Erosion and sedimentation control measures

- **Note:** Micropile installation at M-26 shall be paid for under **Item C.8 and C.10** for overburden soils and rock respectively. Lateral proof testing shall be paid for under **Item C.61**.
- **Permit:** A PADEP General Permit has been obtained for work at this site. Compliance with permit requirements is incidental to this bid item.
- The micropiles will be a delegated design.

Item C.6: Emergency Mobilization

- Payment shall be **EACH** for each mobilization to an emergency site requested.
- Emergency sites that are part of a single request which are within a three (3) mile radius of each other will be considered one site and only one (1) mobilization will be paid.
- If Railroad Protective Liability Insurance is required it will be paid for under **Item C.58**.

Item C.7 & C.8: Micropile Installation in Overburden Soils

- Payment shall be at the unit price bid **PER VERTICAL FOOT**.

Item C.9 & C.10: Micropile Installation in Rock

- Payment shall be at the unit price bid **PER VERTICAL FOOT**.

Item C.61: Lateral Proof Testing for Micropiles

- Payment for this item will be made by the unit price bid **per EACH** site.

QUESTIONS

All technical questions regarding these contract documents shall be submitted in writing no later than 4:00 pm on Wednesday, January 7th, 2026, and should be directed via email to steven.bristol@alcosan.org.

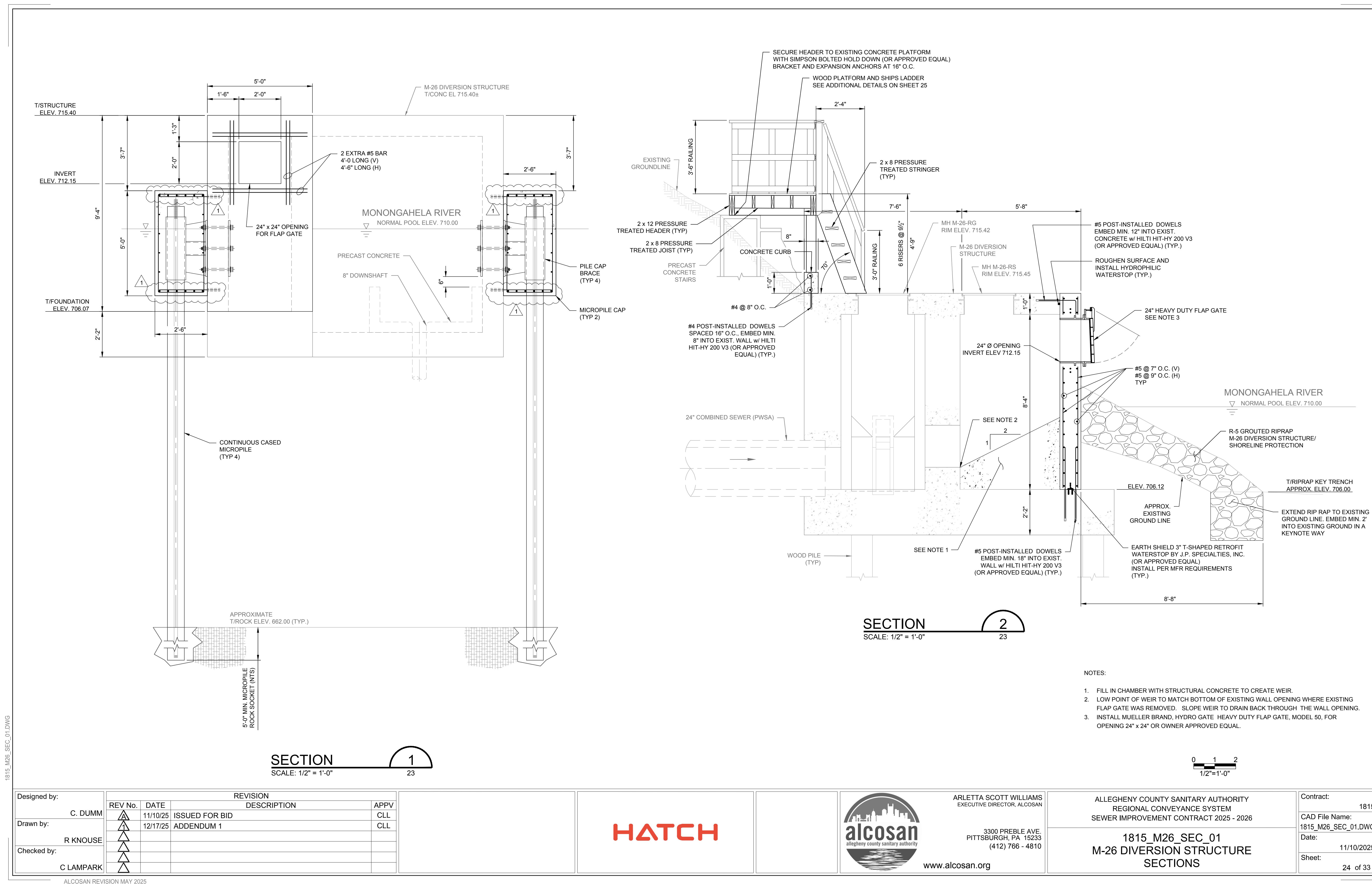
ATTACHMENT B: PRE-BID MEETING MINUTES (1 page)

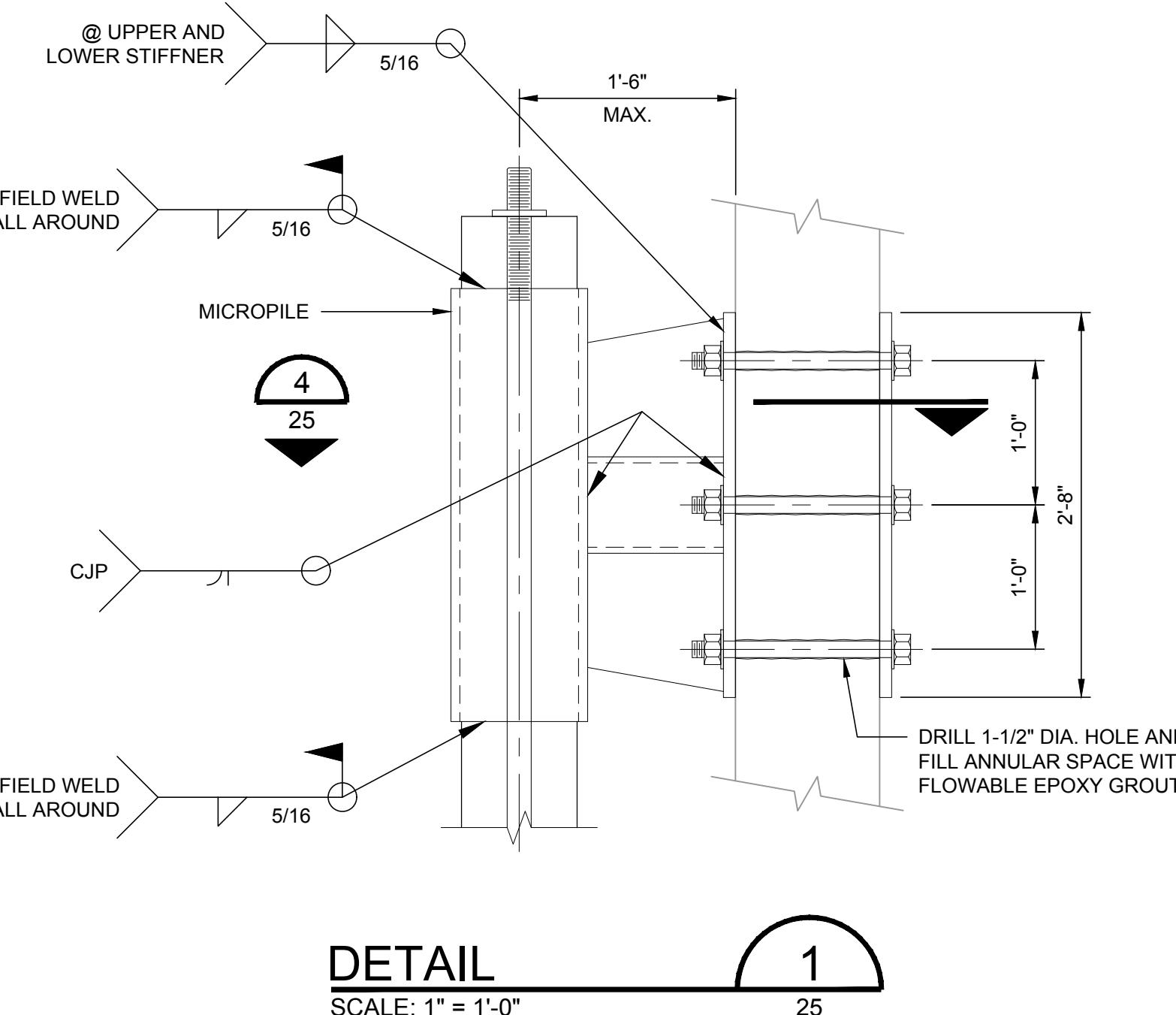
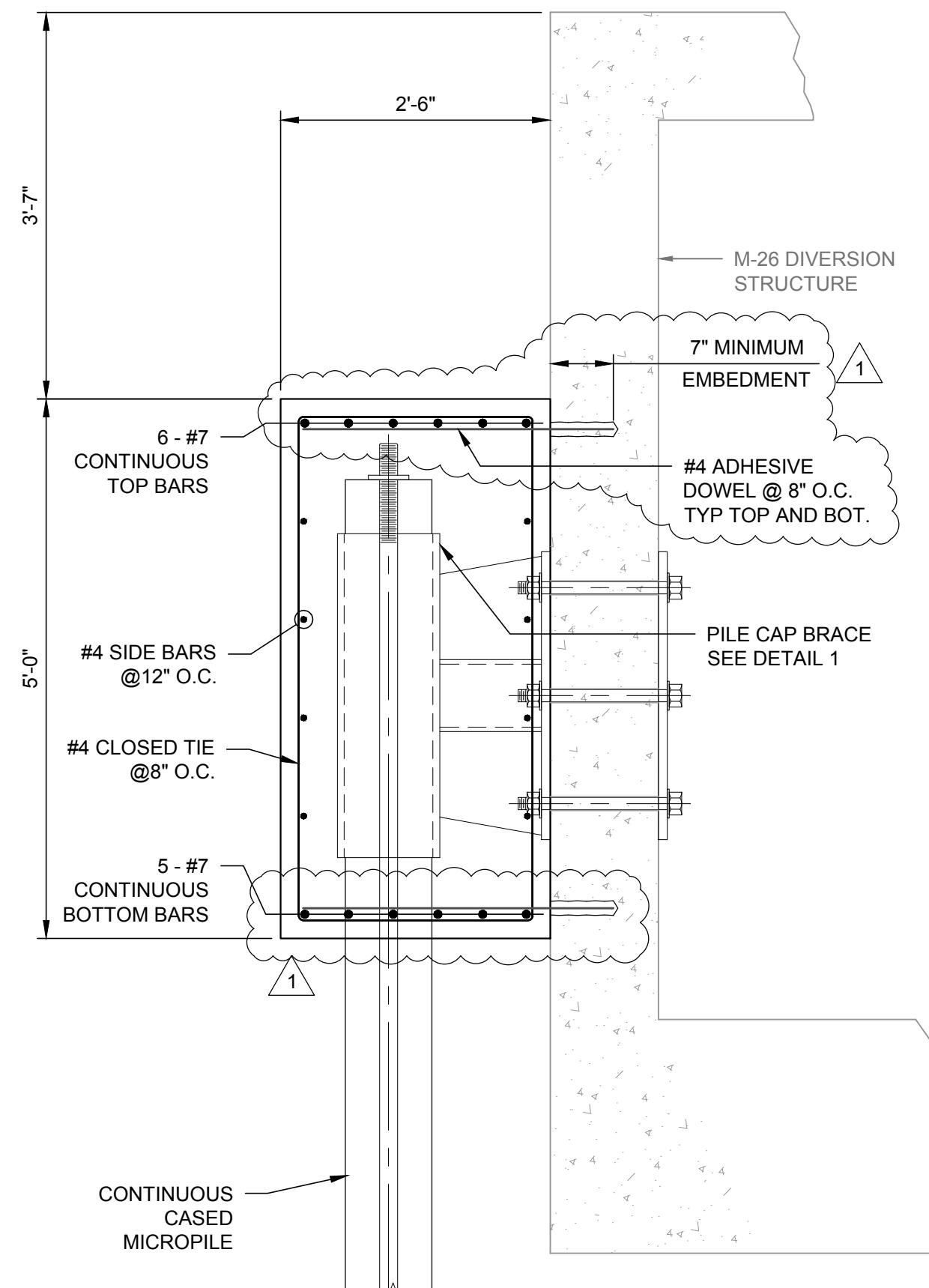
No questions or comments were asked from the bidders during the presentation. The agenda will act as the meeting minutes.

ATTACHMENT C: PRE-BID ATTENDANCE SHEET (1 page)

Name	Company	Email	Phone Number
Steven Bristol	ALCOSAN	steven.bristol@alcosan.org	412-734-8744
Joe Sparbanie	ALCOSAN	joseph.sparbanie@alcosan.org	412-732-8046
Mike Lichte	ALCOSAN	michael.lichte@alcosan.org	412-732-8004
Jeff Livezey	ALCOSAN	jeffrey.livezey@alcosan.org	412-734-6287
Dan Sharek	ALCOSAN	daniel.sharek@alcosan.org	412-734-6225
Jacqueline Kresen	ALCOSAN	Jacqueline.kresen@alcosan.org	412-732-8049
Judith Shropshire	ALCOSAN	Judith.shropshire@alcosan.org	412-766-4810 x8296
Ash Eberle	ALCOSAN	Ash.eberle@alcosan.org	412-734-8716
Colin Lampark	Hatch	Colin.lampark@hatch.com	
Courtney Dumm	Hatch	Courtney.dumm@hatch.com	
Regan Thompson	FJ Zottola Construction	rthompson@fjzottola.com	724-265-4388
Dominick Monzo	Costa Contracting, Inc.	Dmonzo@costacontracting.com ; estimating@costacontracting.com	724-265-4388
Bill McKown	Pipe Services Corporation	pipeservicescorp@comcast.net	610-692-9160
Tyler Freyermuth	Wilson Excavating	wilsonest@wilsonexcavating.com	724-946-8338
Michael Beck	Beck Restoration Management Group	mfbeck@beckrmg.com	330-572-7697
Angel Hackney	Morgan Construction Management	ahackney@morganclm.com	412-212-0258

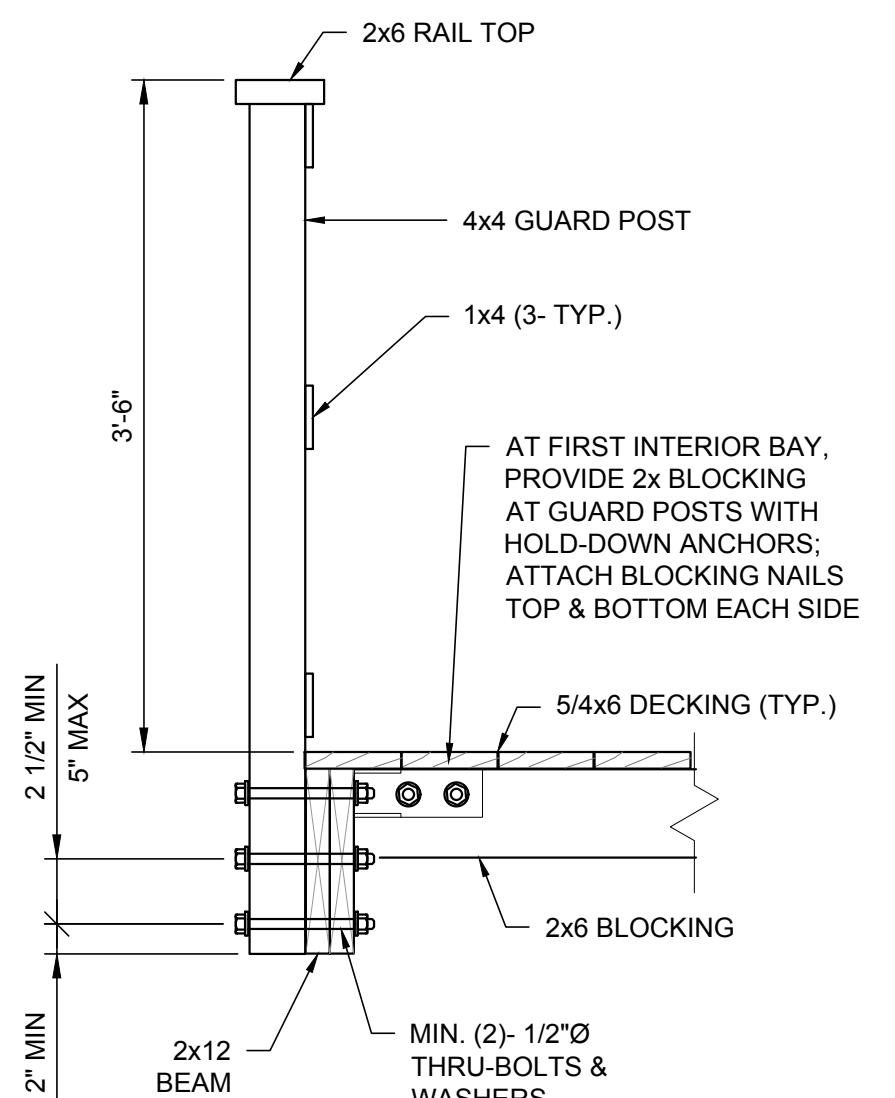
ATTACHMENT D: DRAWING SHEET 24 & 25 (2 pages)



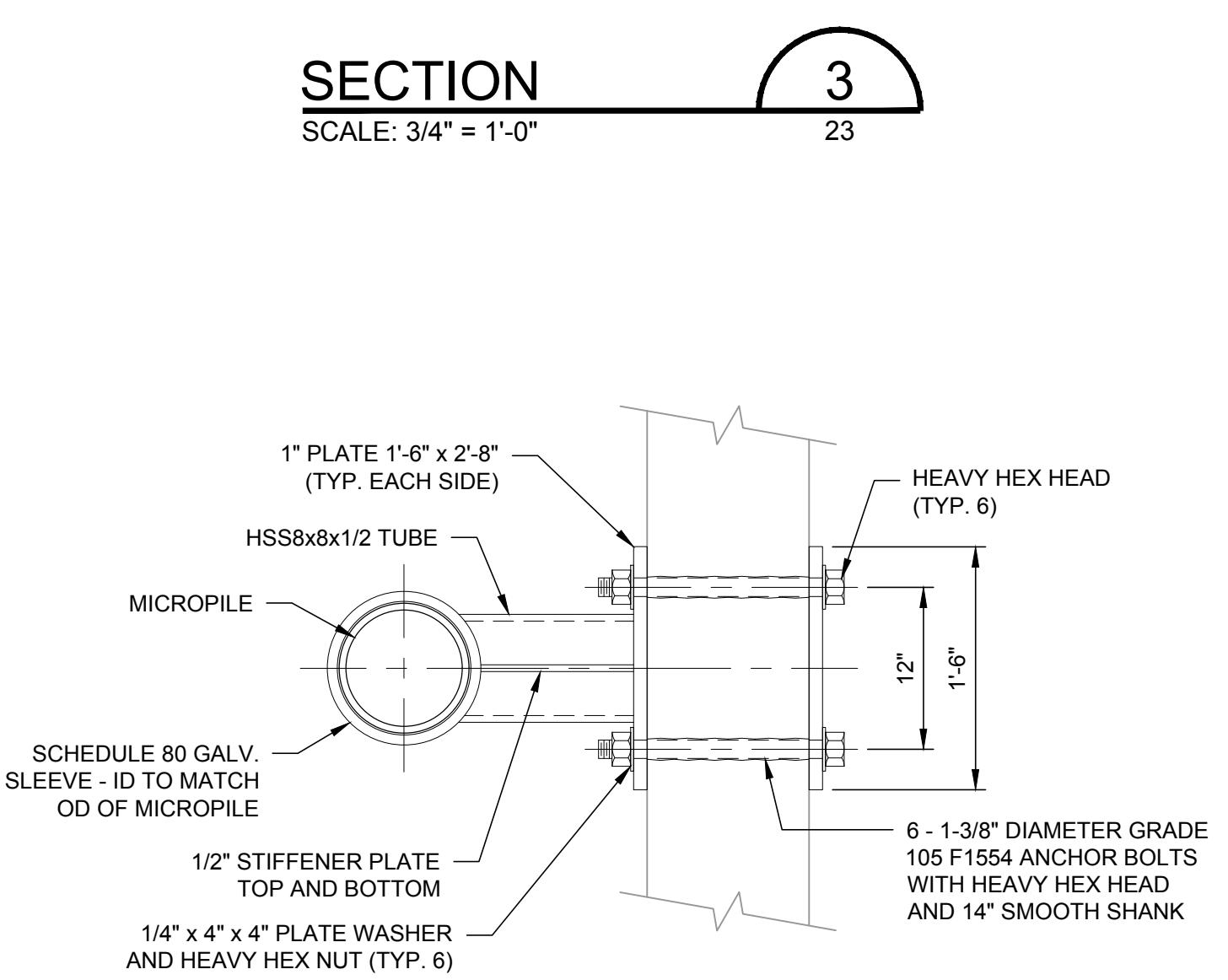


DETAIL 1
SCALE: 1" = 1'-0" 25

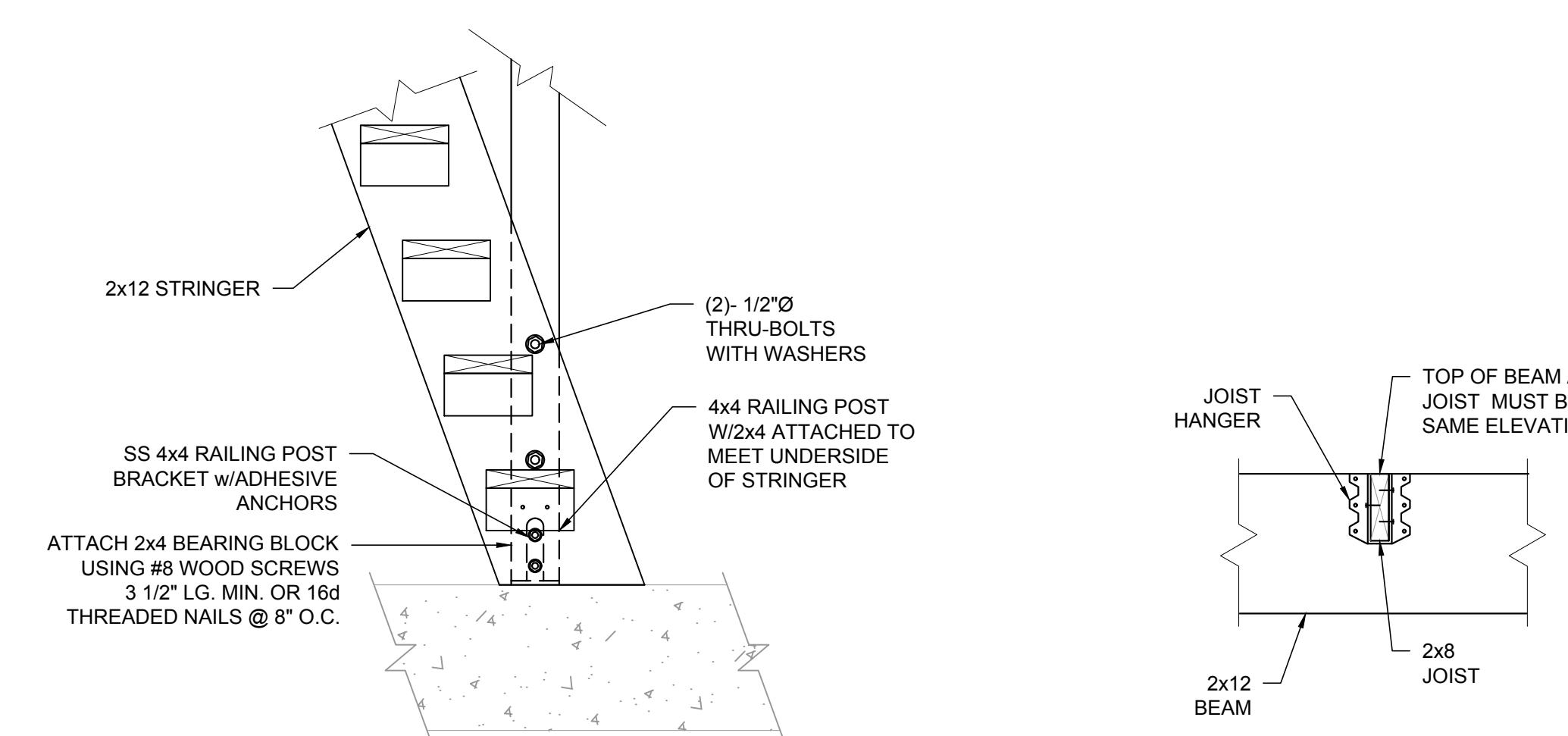
POST TO BEAM/STRINGER ATTACHEMENT DETAIL 2
SCALE: N.T.S. 25



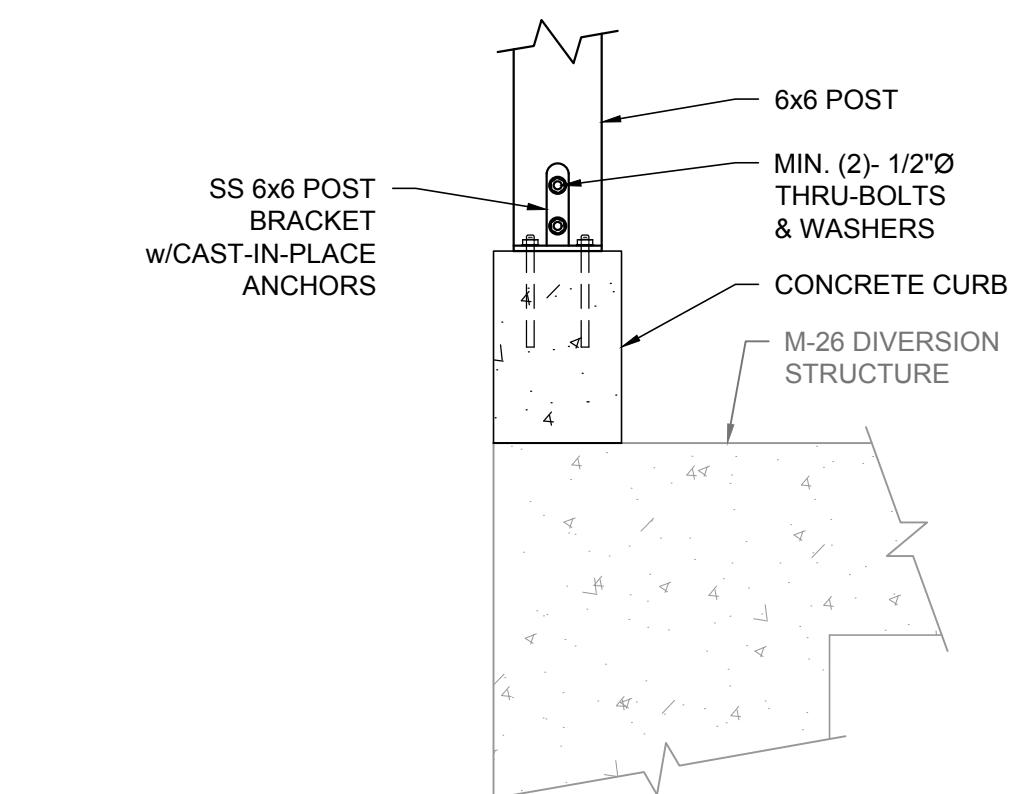
GUARD POST ATTACHEMENT DETAIL 3
SCALE: N.T.S. 25



SECTION 4
SCALE: 1" = 1'-0" 25

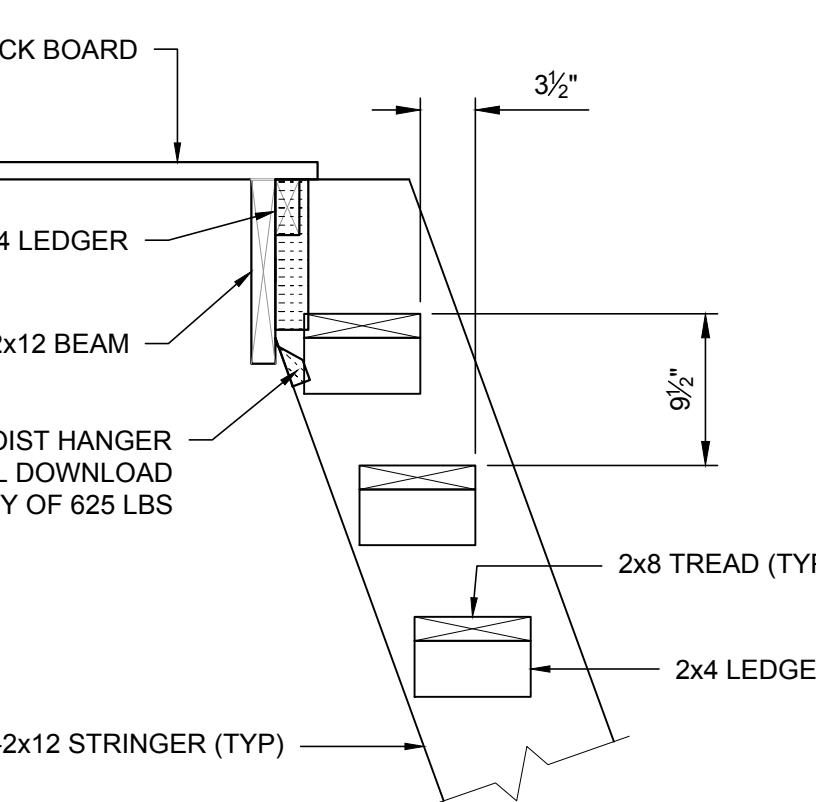


STAIR POST ATTACHEMENT DETAIL 4
SCALE: N.T.S. 25



TYPICAL JOIST TO HEADER ATTACHEMENT DETAIL 5
SCALE: N.T.S. 25

POST CONNECTION TO CURB DETAIL 6
SCALE: N.T.S. 25



STAIR STRINGER ATTACHEMENT DETAIL 7
SCALE: 1" = 1'-0" 25

0 3 6 12 0 1 2
1"=1'-0" 3/4"=1'-0"

Designed by:		REVISION	
REV No.	DATE	DESCRIPTION	APPV
	11/10/25	ISSUED FOR BID	CLL
	12/17/25	ADDENDUM 1	CLL
Drawn by:			
Checked by:			
C. DUMM			
R. KNOUSE			
C. LAMPARK			

HATCH



ARLETTA SCOTT WILLIAMS
EXECUTIVE DIRECTOR, ALCOSAN
3300 PREBLE AVE.
PITTSBURGH, PA 15233
(412) 766 - 4810
www.alcosan.org

ALLEGHENY COUNTY SANITARY AUTHORITY
REGIONAL CONVEYANCE SYSTEM
SEWER IMPROVEMENT CONTRACT 2025 - 2026
1815_M26_SEC_02
M-26 DIVERSION STRUCTURE
SECTIONS AND DETAILS

Contract: 1815
CAD File Name: 1815_M26_SEC_02.DWG
Date: 11/10/2025
Sheet: 25 of 33

ATTACHMENT E: QUESTIONS AFTER THE PRE-BID MEETING (1 page)



CONTRACT 1815
MISCELLANEOUS SEWER IMPROVEMENT CONTRACT 2025-2026

QUESTIONS & RESPONSES

1. Do you have a copy of the pre-bid meeting sign in sheet?

Response: Yes, a copy of those that attended the pre-bid meeting is provided in this addendum.

2. Do you have any addendum?

Response: Yes, this will be the first addendum that will be issued. Another addendum will be issued to the bidders if there are more questions and responses before the bid opening or if there are more changes to the contract documents.

3. Do you have a start and end date for construction?

Response: This contract is to be awarded at the January board meeting and the notice to proceed will take effect in February. The duration of this contract is 500 days, so if construction started in March 2026, then the end date will tentatively be early to late Q2.

4. Do you have an estimated project budget?

Response: It was addressed to the bidders during the pre-bid meeting and it is \$2,719,522.85.

5. Do you have any union requirements?

Response: Yes, Article 2A – Letter of Assent (Project Labor Agreement)

ATTACHMENT F: REVISED LEGAL NOTICE WITH NEW BID OPENING DATE (1 page)

ALLEGHENY COUNTY SANITARY AUTHORITY

LEGAL NOTICE

CONTRACT NO. 1815

SEWER IMPROVEMENT CONTRACT 2025 – 2026

Sealed Bids for **CONTRACT NO. 1815—SEWER IMPROVEMENT CONTRACT 2025 - 2026** shall be received at the Engineering Department office of the Allegheny County Sanitary Authority, 3300 Preble Avenue, Pittsburgh, PA, 15233, until **11:00 A.M.**, Prevailing Time, **Friday, January 16, 2026**, and then shall be Publicly Opened and read via **Microsoft Virtual Teams Meeting**. A **Pre-Bid Meeting** will be held via **Microsoft Virtual Teams Meeting** on **Tuesday, December 16, 2025**, at **10:00 A.M.**, Prevailing Time. An Invitation will be required to access this meeting. If interested in obtaining a Invitation to the Pre-Bid Meeting, contact **Judith Shropshire** via email at contract.clerks@alcosan.org .

ALCOSAN encourages businesses owned and operated by minorities and women to submit bids on Authority Contracts or to participate as subcontractors or suppliers to successful Bidders. Successful Bidders are to use minority and women's businesses to the fullest extent possible.

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 **Steven Bristol, Project Engineer II, ALCOSAN**, via email at steven.bristol@alcosan.org .

Any questions regarding the **Purchase of Contract Documents** should be directed to **Judith Shropshire, ALCOSAN**, via email at contract.clerks@alcosan.org.

The Authority reserves the right to reject any or all bids, to waive any informality in any bid and to accept any bid should it be deemed in the interest of the Authority to do so.

ALLEGHENY COUNTY SANITARY AUTHORITY



Michael Lichte P.E.
Director of Regional Conveyance

December 3, 2025

ATTACHMENT G: ARTICLE 2 WITH NEW BID OPENING DATE (1 page)

ARTICLE 2
INFORMATION FOR BIDDERS

INFORMATION FOR BIDDERS

ARTICLE 2

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ATTACHMENT A LABOR STABILIZATION AGREEMENT

2.1 DEFINED TERMS

The terms used in this Information for Bidders have the meanings assigned to them in **Article 3, General Contract Conditions** (the "General Conditions").

Certain additional terms used in the Bidding Documents have the meanings indicated below which are applicable to both the singular and plural thereof.

- A. **APPARENT LOW BIDDER** is the responsible, responsive bidder whose bid as offered in the bid form represents the lowest total as determined by the Base Bid.
- B. **BASE BID** is the total of the Bid for the Lump Sum Work, plus the amount for any Unit Price Work if applicable. No consideration will be given to additive or deductive alternates or other credits in determining the Base Bid.
- C. **BID** refers to all materials, items and documents included in the Bidder's response to the Owner submitted pursuant to the Contract Documents.
- D. **BIDDER** is one who submits a Bid to the Owner as distinct from a sub-bidder, who submits a Bid to a Bidder.
- E. **CONSENT DECREE** is the legal Consent Decree as approved by ALCOSAN, United States Environmental Protection Agency (EPA), Commonwealth of Pennsylvania Department of Environmental Protection (PaDEP), and the Allegheny County Health Department and entered on January 23, 2008.
- F. **SUCCESSFUL BIDDER** is the lowest, responsible and responsive Bidder to whom the Owner (on the basis of the Owner's evaluation as hereinafter provided) makes an award.

2.2 GENERAL

The information contained in this **Article 2** of the Contract Documents describes the proper form and method for submitting Bids and the accompanying security to the Allegheny County Sanitary Authority (hereinafter referred to as the "Owner"), and provides certain general information regarding the award of the Contract.

Certain provisions throughout this Article may reference certain consultants retained by the Owner such as the Construction Manager, the Consulting Engineer or Final Design Consultant and the Engineering Program Manager and to certain of their duties and responsibilities. If any or all of the above-mentioned consultants are not retained for this Project, their duties and responsibilities shall, unless otherwise specified, be retained by the Director of Regional Conveyance ("Engineer") or the Engineer's written designee.

It is a condition to the Owner's evaluation of the Bid and possible award of the Contract that the Bidder carefully examine all of the Contract Documents and completely satisfy itself as to the nature and location of the Work and all Job Site

conditions that may affect performance of the Work. Submission of the Bid by the Bidder is a representation by the Bidder that it has satisfied itself with respect to the foregoing.

Unless all Bids are rejected, and except as otherwise provided by law, award will be made to the lowest responsive and responsible Bidder. The Owner reserves the right to award by item or on a total Lump Sum Price basis, whichever is deemed most advantageous to the Owner. In cases of discrepancies in prices, the unit price will be binding. In any discrepancy between words and figures, the words will take precedence. For Lump Sum Bids, which include an itemized breakdown, the low Bid will be based on the stated Lump Sum Price and the Owner is not required to consider the total value of the itemized breakdown.

The Contract Documents shall be interpreted, construed, and enforced in accordance with all applicable laws and regulations of the Commonwealth of Pennsylvania.

2.3 LOCATION AND DESCRIPTION OF WORK

The Work to be done as specified here in **CONTRACT NO. 1815 –SEWER IMPROVEMENT CONTRACT 2025 - 2026**, (referred to as the "Work) specifically includes site work at **four (4)** specific sites, and contingent items necessary to conduct as needed emergency repairs at Various Locations in the ALCOSAN Interceptor System and into the municipal systems as Regionalization progresses. In addition to the work within the ALCOSAN Interceptor System.

Details of the scope of work can be reviewed in **Section 01010** Summary of Work.

2.4 DESCRIPTION OF BID ITEMS

The following is a general description of the tasks to be completed under this Contract.

All perspective bidders are advised that access to the various sites is for information only, and the bidder should make any investigation necessary to satisfy himself/herself of the existing conditions. Furthermore, the successful bidder will be responsible for providing the means necessary to access the sites to accommodate his operations at no additional cost to the Owner.

ITEM NO. 1 – MOBILIZATION TO SPECIFIED SITES, BONDS AND INSURANCE

Payment shall be **LUMP SUM** for the entire project. Measurement shall be based on the percentage of work completed.

This item shall include all labor, materials, and equipment necessary to initially mobilize to the work locations specified in **Items 2-5**. This item shall also include all necessary permits, bonds, and insurance for the contract. No

additional payment under this item will be made for any short-term mobilizing-demobilizing of equipment and materials at each work location that is required to satisfy the maintenance and protection of vehicular and pedestrian traffic plan.

This item shall also include field survey of the project area, project management, submittals, shop drawings, project protection, and as-built record drawings for the contract.

No additional payment will be made if the CONTRACTOR, for whatever reason, mobilizes/demobilizes more than once at a given location.

If Railroad Protective Liability Insurance is required it will be paid for under **Item C.58**.

This item DOES NOT include mobilization to emergency and/or as-directed sites to complete contingent work. Mobilization to emergency/as-directed sites to complete contingent work shall be paid via **Item C.6: Emergency Mobilization**.

ITEM NO. 2 – A-16 SITE WORK

This item shall include all labor, materials, and equipment necessary to complete the work required at the **A-16** site as indicated in the drawings in **Appendix A** and the specifications. This shall include, but not be limited to, access to the site (including coordination and acquisition of permits for trail access to site), excavation, installation of stone subbase, all surface preparation prior to new concrete placement, installation of a new concrete slab, installation of a new concrete stem wall, installation of timber stairs, and associated appurtenances, placement of stone for stabilization, site preparation and final restoration, traffic control, and erosion and sedimentation control measures.

Tree removal and trimming necessary to complete the site work shall be incidental to this item.

This Item shall be paid on a **LUMP SUM** basis.

ITEM NO. 3 – C-08 SITE WORK

This item shall include all labor, materials, and equipment necessary to complete the work required at the **C-08** site as indicated in the drawings in **Appendix A** and the specifications. This shall include, but not be limited to, site access, all demolition including saw cutting to neat lines, temporary fluming, and flow control measures, temporary structure protection and barricading, excavation, installation and maintenance of a cofferdam, micropile concrete caps, all surface preparation prior to new concrete placement, installation of concrete walls, concrete flow channels, and an elevated concrete slab, installation of new manhole castings, site preparation, grading and backfill, placement of stone

stabilization, final restoration, traffic control, and erosion and sedimentation control measures.

Tree removal and trimming necessary to complete the site work shall be incidental to this item.

This Item shall be paid on a **LUMP SUM** basis.

Micropile installation at C-08 shall be paid for under **Item C.7 and C.9** for overburden soils and rock respectively. Lateral proof testing shall be paid for under **Item C.61**.

ITEM NO. 4 – T-29A SITE WORK

This item shall include all labor, materials, and equipment necessary to complete the work required at the **T-29A** site as indicated in the drawings in **Appendix A** and the specifications. This shall include, but not be limited to, site access (including coordination of use of public and park space), all demolition work including saw-cutting to neat lines and removal of specified pipe sections, abandonment of existing pipes, excavation, bypass pumping operation and maintenance, installation and maintenance of a cofferdam, installation of two (2) manholes including castings and all appurtenances, installation of RCP pipe (with concrete encasement where specified), placement of stone stabilization, final restoration, traffic control, and erosion and sedimentation control measures.

Tree removal and trimming necessary to complete the site work shall be incidental to this item.

This Item shall be paid on a **LUMP SUM** basis.

ITEM NO. 5 – M-26 SITE WORK

This item shall include all labor, materials, and equipment necessary to complete the work required at the **M-26** site as indicated in the drawings in **Appendix A** and the specifications. This shall include, but not be limited to, site access (including all required coordination, permissions, and permits pending method of access), all demolition including saw cutting to neat lines, temporary fluming, and flow control measures, temporary structure protection and barricading, excavation, installation and maintenance of a cofferdam, micropile connection brackets, and micropile concrete caps, all surface preparation prior to new concrete placement, installation of concrete walls, concrete fill, an elevated concrete slab, and a concrete curb, installation of a new flap gate, installation of timber stairs, site preparation, placement of stone stabilization, final restoration, traffic control, and erosion and sedimentation control measures.

Tree removal and trimming necessary to complete the site work shall be incidental to this item.

This Item shall be paid on a **LUMP SUM** basis.

Micropile installation at M-26 shall be paid for under **Item C.8 and C.10** for overburden soils and rock respectively. Lateral proof testing shall be paid for under **Item C.61**.

ITEM NO. C.6 – EMERGENCY MOBILIZATION

Payment shall be **EACH** for each mobilization to an emergency site requested. Measurement shall be based on the percentage of work completed.

This item shall include all labor, materials, and equipment necessary to initially mobilize to each emergency work location. No additional payment under this item will be made for any short-term mobilizing-demobilizing of equipment and materials at each work location that is required to satisfy the maintenance and protection of vehicular and pedestrian traffic plan. CONTRACTOR must mobilize immediately to work site upon notification by DIRECTOR/PROJECT REPRESENTATIVE.

No additional payment will be made if the CONTRACTOR, for whatever reason, mobilizes/demobilizes more than once at a given location.

Emergency sites that are part of a single request which are within a three (3) mile radius of each other will be considered one site and only one (1) mobilization will be paid.

After an emergency site has been identified, the contractor has **24 hours** after notification to be fully mobilized on site. For all other sites, the contractor has up to 5 business days to fully mobilize. The distinction between emergency and non-emergency conditions will be determined by the OWNER.

If Railroad Protective Liability Insurance is required it will be paid for under **Item C.58**.

ITEM NO. C.7 – MICROPILE INSTALLATION IN OVERBURDEN SOILS AT C-08

The contractor is responsible for the design of the micropile foundation elements as depicted in the Contract Drawings and Specifications. Service design loading for each micropile element is designated in the service load schedule in the Contract Drawings. The design shall be performed and sealed by a licensed Professional Engineer registered in the Commonwealth of Pennsylvania. The design shall conform with AASHTO LRFD Bridge Specifications, PennDOT Design Manual Part 4 (DM-4), and these Contract Documents and

Specifications. All required geotechnical investigation and field borings shall be incidental to this work. This work also includes the installation of micropiles. All materials, tools, equipment, and labor for the installation of micropiles in overburden soils shall be included in this item. Materials and installation shall be in accordance with the Commonwealth of Pennsylvania Department of Transportation Publication 408.

Payment shall be at the unit price bid **PER VERTICAL FOOT**. Measurement shall be based on the actual field dimensions of micropile installation in overburden soil.

ITEM NO. C.8 – MICROPILE INSTALLATION IN OVERBURDEN SOILS AT M-26

The contractor is responsible for the design of the micropile foundation elements as depicted in the Contract Drawings and Specifications. Service design loading for each micropile element is designated in the service load schedule in the Contract Drawings. The design shall be performed and sealed by a licensed Professional Engineer registered in the Commonwealth of Pennsylvania. The design shall conform with AASHTO LRFD Bridge Specifications, PennDOT Design Manual Part 4 (DM-4), and these Contract Documents and Specifications. All required geotechnical investigation and field borings shall be incidental to this work. This work also includes the installation of micropiles. All materials, tools, equipment, and labor for the installation of micropiles in overburden soils shall be included in this item. Materials and installation shall be in accordance with the Commonwealth of Pennsylvania Department of Transportation Publication 408.

Payment shall be at the unit price bid **PER VERTICAL FOOT**. Measurement shall be based on the actual field dimensions of micropile installation in overburden soil.

ITEM NO. C.9 – MICROPILE INSTALLATION IN ROCK AT C-08

The contractor is responsible for the design of the micropile foundation elements as depicted in the Contract Drawings and Specifications. Service design loading for each micropile element is designated in the service load schedule in the Contract Drawings. The design shall be performed and sealed by a licensed Professional Engineer registered in the Commonwealth of Pennsylvania. The design shall conform with AASHTO LRFD Bridge Specifications, PennDOT Design Manual Part 4 (DM-4), and these Contract Documents and Specifications. All required geotechnical investigation and field borings shall be incidental to this work. This work also includes the installation of micropiles. All materials, tools, equipment, and labor for the installation of micropiles in rock shall be included in this item. Materials and installation shall be in

accordance with the Commonwealth of Pennsylvania Department of Transportation Publication 408.

Payment shall be at the unit price bid **PER VERTICAL FOOT**. Measurement shall be based on the actual field dimensions of micropile installation in rock.

ITEM NO. C.10 – MICROPILE INSTALLATION IN ROCK AT M-26

The contractor is responsible for the design of the micropile foundation elements as depicted in the Contract Drawings and Specifications. Service design loading for each micropile element is designated in the service load schedule in the Contract Drawings. The design shall be performed and sealed by a licensed Professional Engineer registered in the Commonwealth of Pennsylvania. The design shall conform with AASHTO LRFD Bridge Specifications, PennDOT Design Manual Part 4 (DM-4), and these Contract Documents and Specifications. All required geotechnical investigation and field borings shall be incidental to this work. This work also includes the installation of micropiles. All materials, tools, equipment, and labor for the installation of micropiles in rock shall be included in this item. Materials and installation shall be in accordance with the Commonwealth of Pennsylvania Department of Transportation Publication 408.

Payment shall be at the unit price bid **PER VERTICAL FOOT**. Measurement shall be based on the actual field dimensions of micropile installation in rock.

ITEM NO. C.11 – EXPLORATORY EXCAVATION

Work under this item shall include furnishing all labor, materials and equipment to perform exploratory excavation and backfill required at preliminary test pit locations and any other locations directed in the field by the DIRECTOR, including existing utilities in need of relocation by others. This shall include all sheeting, bracing and shoring, unclassified excavation, disposal of excavated material, dewatering, erosion and sedimentation controls, dye testing, temporary sewer repair, aggregate backfill material, removal of shoring and placement and compaction of approved earth or aggregate backfill material as directed.

Assume all excavated material that requires disposal to be disposed as residual fill.

Payment shall be at the unit price bid **PER CUBIC YARD**. Measurement shall be based on the field dimensions of excavated test pit areas.

ITEM NO. C.12 - TRENCH EXCAVATION, 0-15 FOOT DEPTH

Work under this item shall include furnishing all labor, materials, and equipment necessary to perform all unclassified excavation related to sewer construction with the exception of work performed under the exploratory excavation and

backfill pay item. This shall include all unclassified excavation, sheeting bracing and shoring of trench and other utilities, trench dewatering, disposal of excavated materials, and bypass pumping of existing sewage flows, to all depths up to fifteen feet deep, that is required to install the proposed sewer pipe.

Assume all excavated material that requires disposal to be disposed as residual fill.

Payment shall be based on the unit price bid. Measurement used for payment shall be in **PER CUBIC YARD** and shall be based on the outside diameter of the pipe plus 3 feet of the excavated trench area.

ITEM NO. C.13 - EXTRA TRENCH EXCAVATION, GREATER THAN 15 FOOT DEPTH

Work under this item shall include providing all labor, materials and equipment necessary to excavate a sewer trench or manhole to depths greater than **fifteen (15) feet**.

This item shall include all additional clearing, unclassified excavation, sheeting bracing and shoring, trench dewatering, disposal of excavated materials, removal of material, embankment, and all other requirements necessary to complete the work.

Assume all excavated material that requires disposal to be disposed as residual fill.

Payment for this item shall be at the unit price bid. Measurement used for payment shall be **PER CUBIC YARD** based on the length of trench, vertical depth of excavation from the surface minus fifteen feet for collector sewers or minus twelve feet for lateral sewers, and the width of trench, which shall be defined as the outside diameter of the pipe plus **3 feet** of the excavated trench area.

ITEM NO. C.14 – ROCK AND OBSTRUCTION EXCAVATION

Work under this item shall include furnishing all additional labor, materials, and equipment necessary, over and above those required for unclassified excavation, to excavate and dispose of rock as defined in the specification section titled “Rock Excavation.” This item is a supplemental item to the trench excavation items. All associated sheeting, bracing, and shoring, embankment and all requirements necessary to complete the work shall be furnished under the trench excavation pay items.

Assume all excavated material that requires disposal to be disposed as residual fill.

Payment shall be based on the unit price bid **PER CUBIC YARD**. Measurement shall be based on field dimensions of the excavated rock zone area only of the trench.

ITEM NO. C.15 thru C.19 - SEWER PIPE TYPES, VARIOUS SIZES

Work under this item shall include furnishing all labor, materials and equipment to install all sewer pipe in accordance with the specifications at the depths and grades directed in the field. This item shall include placement of bedding and backfill material in the pipe zone area. The supplying and installation of any fittings shall be considered incidental to this Work. Pipe zone is defined as the area between an elevation **1/4 O.D.** of pipe diameter or minimum six inches under the pipe invert to twelve inches over the top of the pipe for the length of pipe measured. Erosion and sedimentation control measures, along with sewer cleaning and televising and any required bypass pumping, shall be incidental to this Work.

Payment shall be made by the unit price bid **PER LINEAR FOOT** per type of pipe. Measurement for SEWER PIPE shall be based on the laying length of pipe installed from centerline of manhole to centerline of manhole minus one-half of the diameter of each manhole.

ITEM NO. C.20 – MANHOLE/PIPE TIE IN/CONNECTION

This work shall include all labor and materials necessary to connect piping into a new or existing manhole or pipe structure as per the specifications. This item shall include all approved modification or coring of new or existing structures, sewer pipe, approved water stop(s) or flexible boots, transition and fernco couplings and all associated costs for piping entering a manhole or structure above the standard flow line. This item is not relevant to standard manhole pipe inverts.

Measurement and payment shall be for **EACH** tie in / connection complete.

ITEM NO. C.21 thru C.22 – WYE INSTALLATION ON NEW SEWER MAIN, VARIOUS SIZES, (INCLUDING LATERALS)

Payment for **“Wye Installation on New Sewer Main”** shall be paid **PER EACH** Wye installed. The Contractor shall be responsible for verifying active lateral connections to be reinstated by dye-testing / flush tests or other approved means. The Contractor shall be responsible for documenting all wyes installed on the as-built drawings.

Measurement of this bid item shall be determined based on the actual number of wyes installed by the Contractor. All superintendence, labor, materials, equipment,

bypass pumping, clearing, grubbing and site restoration, filing and acquisition of permits, permit fees, and services described in the specifications or otherwise required to entirely complete all contract work associated with this item shall be considered incidental to this item. Note that some work may occur within existing Port Authority rights-of-ways. Contractor is responsible for all fees, permits, and coordination required to conduct work within the Port Authority right-of-way, which shall be considered incidental to this pay item.

ITEM NO. C.23 thru C.24 - PRE-CAST MANHOLE, 0-15 FOOT DEPTH, VARIOUS SIZES

Forty-eight inch (48") and sixty-inch (60"): Reinforced concrete manholes shall be furnished as specified and installed at the locations directed in the field. This item shall include concrete base, formed channels, pipe sewer(s) / laterals(s), water stops, precast concrete riser sections including transition sections as appropriate, brick, mortar, steps, straps and anchors, frame and lid castings, connections of existing sewers and all other requirements for a complete installation.

Excavation and backfill for a **ten-foot by ten-foot (10' x 10')** footprint around the manhole will be included in the unit price bid. Additional volume will be considered under the appropriate items.

Payment for manholes shall be made under this item for **EACH** particular size diameter installed complete in place. The payment for any additional manhole depth over the basic fifteen feet shall be made under a separate bid item.

ITEM NO. C.25 thru C.26 - MANHOLE DEPTH GREATER THAN 15 FOOT, VARIOUS SIZES

All manhole depth over the basic **15-feet** in depth shall be furnished and installed similar to and as described under the manhole item.

Excavation and backfill for a **ten-foot by ten-foot (10' x 10')** footprint around the manhole will be included in the unit price bid. Additional volume will be considered under the appropriate items.

Measurement used for payment of this item shall be the "as-built" vertical distance measured in feet from the invert to the top of casting lid minus fifteen feet. Payment under this item shall be made **PER VERTICAL FOOT** installed complete in place.

ITEM NO. C.27 – REPLACE CASTINGS

Work under this item shall include removing and disposing existing casting(s) and furnishing and resetting(s) new casting. Work includes mortaring and minor

masonry work and flexible grade riser rings if directed. This work includes **6 inches** of grade adjustment if required.

Measurement and payment shall be **EACH** casting replaced.

ITEM NO. C.28 – MANHOLE RISERS AND CONES

Work under this item shall include all labor, material and equipment to provide and install additional vertical adjustments to manholes (all sizes). This work shall include removing and disposing of existing manhole sections (s) and furnishing and resetting(s) new/additional sections.

Measurement and payment shall be made **PER VERTICAL FOOT** new installed.

ITEM NO. C.29 – CONCRETE ENCASEMENT (ALL TYPES W/ REINFORCEMENT)

Concrete encasement (**4,000 psi**) for pipes and manhole collars/bases shall be furnished and installed at locations directed in the field. These items shall include all formwork, concrete reinforcing, bedding, and all other requirements for a complete installation.

Payment shall be at the unit price bid for the cubic yards installed complete in place. Measurement for payment shall be **PER CUBIC YARD** based on the volume within the concrete forms.

ITEM NO. C.30 – ADDITIONAL BEDDING MATERIAL (AS DIRECTED)

Work under this item shall include furnishing all labor, materials, and equipment required to place No. 4 stone material or equal to stabilize the sewer trench at depths greater than the proposed standard bedding zone provided under the various sewer payment items.

Payment shall be made at the unit price bid **PER CUBIC YARD**. Measurement shall be based on the field dimensions from bottom of trench to the proposed pipe bedding elevation. Standard bedding material within **1/4 O.D.** of pipe diameter or minimum six inches below pipe invert shall be paid under the various pipe pay items.

ITEM NO. C.31 – APPROVED AGGREGATE, TO INCLUDE TRENCH BACKFILL, ABOVE PIPE ZONE

Work under this item shall include furnishing and installing all approved coarse aggregate material in accordance with the specifications for the entire sewer trench and manhole work areas. This item shall include all coarse aggregate backfill material (**AASHTO #1 thru #10** to include **#57 and #67**), placement and compaction of backfill material, and removal of sheeting, bracing and shoring

devices from the top of the pipe zone area (**twelve-inches above pipe**) to the street base bottom elevation.

Payment shall be made at the unit price bid **PER CUBIC YARD**. Measurement shall be made from elevation twelve inches above the crown of the pipe to the street sub-grade elevation and the field trench width dimensions.

ITEM NO. C.32 – SELECTED EARTH BACKFILL

Work under this item shall include furnishing and installing all approved select earthen backfill material in accordance with the specifications for the entire sewer trench and manhole work in non-street areas or as directed in the field. This item shall include all earthen backfill material, placement and standard regulation compaction of earthen backfill material, and removal of sheeting, bracing and shoring devices from the top of the pipe zone area (twelve inches above pipe) to the surface elevation. The DIRECTOR shall determine in the field if excavated material can be reused as suitable select earthen material.

Payment shall be at the unit price bid **PER CUBIC YARD**. Measurement shall be made from elevation twelve inches above the crown of the pipe to the street sub-grade elevation and the field trench width dimensions.

ITEM NO. C.33 – EXISTING PAVEMENT DEMOLITION, REMOVAL AND DISPOSAL

Work under this item shall include furnishing all labor, equipment, and material necessary to sawcut, mill and/or demolish, clean milled/demolished pavement section and dispose of paved areas waste material as directed. This item applies to streets, driveways, parking areas, sidewalks and curbs, and is to extend through the full depth (**up to 18 inches**) of the paving section to include the base material.

Work shall also include installing and maintaining traffic worthy temporary plating and asphalt paving, plus replacement or repair of damaged curb, covers, grates, frames, and boxes as directed.

Measurement shall be based on the square yards of paving area removed. Payment shall be based on the unit price bid **PER SQUARE YARD**.

ITEM NO. C.34 – PERMANENT BITUMINOUS PAVEMENT REPLACEMENT (ALL TYPES)

Work under this item shall include providing and installing Approved Permanent Asphalt Courses (Base course, leveling, binder, wearing, Superpave) as required by the applicable municipality or PENNDOT to match the existing pavement when required to restore pavement areas. All permanent bituminous material shall be

supplied by the Contractor any supplier shall be an approved supplier to the municipality or PENNDOT.

Work under this item shall also include tack coat and sealing materials. Work also includes maintenance of permanent paving for **30 calendar days** after restoration takes place. The Contractor shall furnish his own equipment and labor to haul and place all materials. Duplicate load slips of bituminous material must be provided for each truck load and submitted to the Owner's field representative.

Measurement for payment of this item shall be in tons based on the unit weight of asphaltic material, the length and width of the pavement replaced, and the existing pavement thickness. The work shall include matching all pavement replacement to existing grade. Joint material and traffic zone paint to match existing are incidental to this item.

Payment shall be based on the unit price bid **PER TON**.

ITEM NO. C.35 – CONCRETE PAVING BASE AND PAVEMENT W/ REINFORCEMENT

Work under this item shall include furnishing all labor, equipment, and material necessary to replace pavement areas to match existing for the full pavement section depth including Street Subbase and Concrete Paving Base or Concrete Street Replacement. Joint material and traffic zone paint to match existing are incidental to this item. Any Permanent bituminous overlay, bituminous base course or other bituminous product installed shall be paid for under separate unit priced item.

Measurement and payment shall be **PER CUBIC YARD**. The quantity measured for compensation shall be the computed volume of cement concrete placed in the reinforced street pavements in accordance with the contract plans or as ordered by the DIRECTOR in the field. No payment will be made for concrete in excess of the existing street slab(s) dimensions unless ordered to be placed by the DIRECTOR/PROJECT REPRESENTATIVE in the field.

ITEM NO. C.36 – SIDEWALKS AND DRIVEWAYS

Work under this item shall include furnishing all labor, equipment, and material necessary to replace existing sidewalks (to include handicapped ramps), driveways and curbs to match existing. Joint material and traffic zone paint to match existing are incidental to this item.

Measurement and payment shall be based on the **SQUARE YARDS** of area replaced.

ITEM NO. C.37 – CURBING

Work under this item shall include furnishing all labor, equipment, and material necessary to replace existing curbs to match existing. Joint material and traffic zone paint to match existing are incidental to this item.

Measurement and payment shall be based on the **LINEAR FEET** of curb replaced.

ITEM NO. C.38 – TEMPORARY COLD PATCH BITUMINOUS PAVEMENT

Work under this item shall include providing and installing all temporary bituminous pavement disturbed by sewer construction to match the existing pavement when required to restore pavement areas for temporary traffic use. All Cold Patch bituminous material shall be as supplied by the Contractor.

Work under this item shall also include tack coat and sealing materials. Work also includes maintenance of cold patch paving, and removal and hauling of cold patch material when final restoration takes place. The Contractor shall furnish his own equipment and labor to haul and place all materials. Duplicate load slips of bituminous material must be provided for each truck load and submitted to the Owner's field representative.

Measurement for payment of this item shall be in tons based on the unit weight of asphaltic cold patch material, the length and width of the pavement temporarily replaced, and the existing pavement thickness. The work shall include matching all pavement replacement to existing grade.

Payment shall be based on the unit price bid **PER TON**.

ITEM NO. C.39 – TRAFFIC CONTROL, FLAGPERSON

This item shall include providing a uniformed flag person in accordance with contract specifications, when required as a condition of the road occupancy or railroad permit, and/or as directed by the Owner.

Payment shall be based on the unit price **PER MAN HOUR**.

ITEM NO. C.40 – TRAFFIC CONTROL, OFF-DUTY POLICE OFFICER

This item shall include providing off-duty uniformed City of Pittsburgh Police Officers to direct and control traffic during construction as required by the approved Maintenance and Protection of Traffic Plan, obstruction permit or as required by the Owner's representative in the field.

Measurement for payment shall be based on: **(1)** the actual number of man hours provided when the occurrence is greater than four hours; **(2)** a value of four hours when the hours of service are four hours or less per occurrence.

Payment shall be based on the unit price **PER MAN HOUR**.

ITEM NO. C.41 – TRAFFIC CONTROL, ARROW BOARD

This item shall include furnishing and maintaining electronic Arrow Board Devices in accordance with PENNDOT Publications 408 and 203 and at locations required by the approved Maintenance and Protection of Traffic Plan, obstruction permit or designated by the Owner's Field Representative.

This item shall also include supplying and maintaining any and all signage, cones, barrels, channeling devices that are required to comply with the approved MPT plan.

Payment shall be based on the unit price bid. Measurement for payment shall be based on the number of actual operating hours per device necessary to complete the work.

Payment shall be based on the unit price **PER HOUR**.

ITEM NO. C.42 – CUTTING CONSTRUCTION ACCESS ROADS W/ RESTORATION

Work under this item shall include furnishing all labor, materials and equipment to Construction Access Roads and Restoration (to include Rock Construction Entrances) for stream and/or structure access as shown on the Erosion & Sedimentation Control Plans. This unit price is for cut roads where earth displacement and ground stabilization is necessary, and includes restoration work including rock removal, clean fill and grading to match existing slopes. Additional Stone and Aggregate for a Rock Construction Entrance shall be considered incidental to this item.

Method of payment shall be at the unit price bid **PER SQUARE YARD**.

ITEM NO. C.43 – LANDSCAPE RESTORATION

Work under this item shall include furnishing all labor, materials and equipment to finish grade, seed and mulch or hydro-seed landscapes and vegetative areas that were disturbed to obtain site access or construct Owner-approved access roads. This item also includes yard, fence, shrubbery and/or sapling (**3 inch diameter**) replacement to match each shrub or tree removed, and temporary seeding and mulching without additional compensation. Finish grading includes furnishing topsoil and removing foreign matter and rock (**2" and greater**), as directed by the Owner. Work under this item must comply with permitting agency, property owner and ALCOSAN requirements and shall be in compliance with the approved Erosion & Sedimentation Plan.

All areas disturbed at slopes greater than **3 : 1** (horizontal to vertical), inaccessible areas, all unimproved areas, and disturbed areas deemed appropriate for the hydroseeding application by the Owner, shall be hydro-seeded with approved mix design. Sowing shall be done by an approved method of hydroseeding. Alternate means of fertilization in combination with seeding will be permitted in inaccessible areas and upon approval by the Owner.

Measurement shall be based on the field dimensions of the area restored by hydroseeding, in square yards. Method of payment shall be at the unit price bid **PER SQUARE YARD**.

ITEM NO. C.44 – EROSION CONTROL BLANKETS (AS DIRECTED)

Work under this item shall include furnishing all labor, materials and equipment to provide and place an erosion and sedimentation control blanket in accordance with the approved E&S Control Plan. This item shall include approved aggregate backfill (**2A or approved**), hydro-seed, ballast stone, topsoil, filter fabric, geotextile, and Erosion Control Blanket. Work under this item must comply with permitting agency, property owner and ALCOSAN requirements.

Method of payment shall be at the unit price bid **PER SQUARE YARD**.

ITEM NO. C.45 – SILT SOCKS (AS DIRECTED)

Work under this item shall include furnishing all labor, materials and equipment to install and maintain silt socks at locations depicted on the Erosion and Control Plans or as directed, in the field.

Measurement shall be based on the field dimensions of the installed quantity end to end in Lineal Feet.

Method of payment shall be at the unit price bid **PER LINEAR FOOT**.

ITEM NO. C.46 – CLEARING AND GRUBBING

Work under this item shall include furnishing all labor, materials and equipment for clearing and grubbing consisting of the removal of all saplings, brush, trees, stumps, tree roots, ground cover, and old structures or obstructions from the site of the work, which will be required to be removed for access to the planned construction site.

Measurement shall be based on the field dimensions of the cleared/grubbed area, in square yards. Method of payment shall be at the unit price bid **PER SQUARE YARD**.

ITEM NO. C.47 – LABORER W/ COMPRESSOR, UTILITY TRUCK AND MISCELLANEOUS TOOLS

Payment quantities for this item shall be **PER HOUR** on job site and shall include the required equipment, operator and labor. No payment will be made

for travel time. Any other incidental costs associated with this bid item shall be included in the **PER HOUR** on job site unit price. Work under this item is subject to approval of the DIRECTOR or DIRECTOR's representative in the field.

ITEM NO. C.48 – MISCELLANEOUS WORK FOR A FULL TIME CREW

This item shall cover all expenses involved in having a crew of workers and equipment at a site performing miscellaneous work, not specified by other unit priced items, and as directed by the Owner.

If this item is used for time spent waiting by a crew as a result of actions by and directed by the Owner, the item shall cover all expenses involved in having a crew of workers and equipment at a site prepared to conduct work but unable to work due to circumstances outside of their control. Delays which are usual and a customary part of manhole or pipe installation will not be paid for under this item and are considered incidental to the work of installing the pipe. Measurement for payment shall be based on the actual number of hours spent performing the indicated work.

Payment shall be **PER HOUR** for a full crew(s); labor and equipment cost for work and/or time spent on-site which is not defined by any other contract unit prices. A full crew is defined to consist of: foreman, front-end loader with operator, dump truck with operator, excavator with operator, two laborers, plus support work truck and hand tools.

ITEM NO. C.49 – EXTENSIVE HAND DIGGING AND TUNNELING

This item may be directed by the Owner to determine subsurface conditions at a structure beyond the scope of the construction required by the bid items and contingent bid items described elsewhere. This item includes use of a truck and hand tools, and is authorized only when directed by the Owner.

This item is intended for use only in extreme situations and at the discretion of the Owner. Typically, only those situations that require at least 8 man-hours of digging will be considered for payment. This item shall include all materials, equipment and rental, tools, and labor required to hand dig or tunnel for extended periods under existing vaults, etc, or near existing fragile equipment. Hand digging which is a usual and customary part of pipe and manhole installation will not be paid for under this item and is incidental to the work of installing the pipe.

Measurement for payment shall be based on the actual number of hours spent performing the indicated work. Payment shall be based on the unit price **PER MAN HOUR**.

ITEM NO. C.50 – ADDITIONAL DEWATERING OR BYPASS PUMPING W/UP TO AN 8" PUMP W/BACKUP AND 400 FEET OF HOSES AND FITTINGS

Payment will be **PER HOUR**, by the hours of operation completed, as directed. This item is intended for use only in extreme situations and at the approval and direction of the Owner. Pumping associated with normal dewatering or bypass pumping, shall be considered incidental to the unit price excavation work. Pump size can vary up to **8"** as directed.

The CONTRACTOR shall be responsible for any and all pumping required for continuous bypass pumping, as directed, at selected work locations, no matter what the source of the water. Sources include but are not limited to: accumulated precipitation, encountered ground water, sewage back-up. Work under this item shall include furnishing and connecting any and all piping, pump(s), plugs and appurtenances, as may be necessary, to facilitate the by-pass pumping. Work also includes recessing the line and furnishing and placing bituminous material to permit traffic to drive over the line at intersections and driveways. This item also includes maintaining pumps and lines continuously, and all highway or pedestrian traffic control devices while in service. Also, removing lines when complete and restoring street or sidewalks. The length of suction and discharge hose included in this item is **400 feet**.

ITEM NO. C.51 – ADDITIONAL FUSED PIPE, HOSES AND FITTINGS

Work under this item shall include furnishing all labor, equipment, and material associated with furnishing additional HDPE fused pipe, hoses and fittings, as directed in the field.

Payment of this item shall be **PER LINEAR FOOT**.

ITEM NO. C.52 - ADDITIONAL HYDROVAC, 12 YD CAPACITY, 1800 GALLON WATER TANK, 2,500 PSI, 120 GPM HIGH VELOCITY JETTING

Payment quantities for this item shall be **PER HOUR W/ OPERATOR** on job site and shall include the required equipment, operator and labor. No payment will be made for travel time. Any other incidental costs associated with this bid item shall be included in the **PER HOUR** on job site unit price. Work performed shall be performed as referenced in the specifications. Work under this item is subject to approval of the DIRECTOR or DIRECTOR's representative in the field.

Note: If this pay item is utilized after a segment has been televised as a deliverable, CONTRACTOR shall be paid for the re-televised segment at the appropriate linear foot rate.

ITEM NO. C.53 – R-5 RIP RAP GROUTED IN PLACE

Work under this item shall include furnishing all labor, equipment, and material associated with excavation and the placement of stone rip-rap, grouted in-place installation as directed in the field.

Measurement shall be based on the square yards of rip-rap installed complete in place, at a minimum thickness of **eighteen-inches (18")**.

Payment shall be based on the unit price bid **PER CUBIC YARD**.

ITEM NO. C.54 – INTERNAL CCTV PIPE INSPECTION EQUIPMENT WITH A PIPE LOCATOR

The unit price for “INTERNAL CCTV PIPE INSPECTION EQUIPMENT WITH A PIPE LOCATOR” item shall include all superintendence, labor, materials, and equipment to perform the work onsite, as directed. Any other incidental costs associated with this bid item shall be included in the unit price bid. No payment will be made for travel time or standby time onsite. Work performed shall be performed as directed and as referenced in the specifications.

Work shall include finding and identifying with orange marking paint on the ground surface, the location of a buried manholes, Level 4 and 5 pipe defects, and any other feature as directed. Work under this item is subject to approval of the DIRECTOR or DIRECTOR’s representative in the field.

Payment shall be **PER HOUR (HR)** of actual operation on job site.

ITEM NO. C.55 – CONCRETE MUD MAT (AS DIRECTED)

This item shall include all labor, equipment and materials to place a Concrete Mudmat, at locations as directed in the field. This work includes all excavation, reinforcing steel, concrete placing and forming, providing placing and compacting aggregate and all other associated work necessary for the placement of the mudmat.

Payment shall be **PER CUBIC YARD**. Volume is based on the trench width pay limit by the actual trench length and the vertical trench pay limit below the design depth. This item includes materials, furnishing labor, equipment, inspection, satisfactory disposal of unsuitable material, dewatering and other incidental items required to complete this item of work.

ITEM NO. C.56 – LIGHT PLANT

CONTRACTOR shall provide and maintain lighting for construction operations in compliance with ruling authority (City of Pittsburgh, Allegheny County, PennDOT, OSHA, etc.) requirements.

Measurement and payment shall be based on the unit price **PER HOUR** of operation

onsite.

ITEM NO. C.57 – FLOWABLE FILL

Payment will be made by the unit price bid **PER CUBIC YARD** complete in place. Measurement shall be based on three-dimensional methods.

Basis of Payment: Includes formulating, furnishing, and placing flowable fill material into locations directed in the field. The CONTRACTOR shall place flowable fill in abandoned sewer lines having a diameter of **eight (8) inches** or greater, or as directed in the field. Work under this item shall include, but not be limited to, all equipment, labor, materials formulation cost, cement, fly-ash, fine aggregate, additives, plugs, temporary bulkheads, excavation, water fees, testing, location, and proper disposal of all unsuitable and surplus materials.

ITEM NO. C.58 – RAILROAD PROTECTIVE LIABILITY INSURANCE

Measurement and payment will be made by the unit price bid **PER EACH**.

This item will include all costs for obtaining Railroad Protective Liability Insurance as described in **Article 3** of the contract specifications. Any administrative or miscellaneous costs associated with obtaining said insurance will be incidental to this item.

ITEM NO. C.59 – CHAIN-LINK FENCE REPLACEMENT AND INSTALATION, INDUSTRIAL GRADE UP TO 10-FEET HIGH WITH BARBED WIRE, INCLUDING NEW POSTS AND ALL HARDWARE - COMPLETE, AS DIRECTED

The unit price for the “CHAIN-LINK FENCE REPLACEMENT AND INSTALLATION, INDUSTRIAL GRADE UP TO 10-FEET HIGH WITH BARBED WIRE, INCLUDING NEW POSTS AND ALL HARDWARE - COMPLETE, AS DIRECTED” bid item shall include all superintendence, labor, materials, and equipment to perform work under this bid item. This item shall include the removal and disposal of existing and/or damaged fencing, posts, hardware and appurtenances to be replaced and the installation of new replacement materials, as needed or directed. The materials used shall be industrial grade and matching the existing materials when performing replacements. Measurement for payment shall be determined based on the actual square feet in place of fencing installed.

All work for this bid item shall be performed in accordance with SECTION 02820 – CHAIN-LINK FENCE AND GATES.

Payment for this item will be **PER SQUARE FOOT** of fence installed.

**ITEM NO. C.60 – CHAIN-LINK FENCE GATE REPLACEMENT AND
INSTALLATION, INDUSTRIAL GRADE UP TO 10-FEET HIGH WITH
BARBED WIRE, INCLUDING ALL HARDWARE - COMPLETE, AS DIRECTED**

The unit price for the “CHAIN-LINK FENCE GATE REPLACEMENT AND INSTALLATION, INDUSTRIAL GRADE UP TO 10-FEET HIGH WITH BARBED WIRE, INCLUDING ALL HARDWARE - COMPLETE, AS DIRECTED” bid item shall include all superintendence, labor, materials, and equipment to perform work under

this bid item. This item shall include the removal and disposal of existing and/or damaged fencing, posts, hardware and appurtenances to be replaced and the installation of new replacement gate materials along with any new posts and hardware, as needed or directed. The materials used shall be industrial grade and matching the existing materials when performing replacements. Measurement for payment shall be determined based on the actual square feet in place of chain-link fence gate installed.

All work for this bid item shall be performed in accordance with SECTION 02820 – CHAIN-LINK FENCE AND GATES.

Payment for this item will be **PER SQUARE FOOT** of gate installed.

ITEM NO. C.61 – LATERAL PROOF TESTING FOR MICROPILES

Work under this item shall include furnishing all labor, materials and equipment to perform lateral proof testing of micropiles in accordance with ASTM Standard D3966.

Payment for this item will be made by the unit price bid **per EACH** site.

ITEM NO. C.62 – SOIL TESTING, STORAGE, AND DISPOSAL

Work under this item shall include the furnishing of all labor, equipment and materials to complete testing of contaminated soil as directed by Owner and as defined in the Management, Handling, and Disposal of Excavated Soil and Other Excavated Material Specification Section 02860. Containment and testing shall be in accordance with all applicable local and state codes.

Payment of this item shall represent Contractor's cost for all labor, material, overhead, and profit associated with work performed under this allowance. If final cost exceeds the allowance amount specified, then the overage will be added to final payment. If final cost is less than the allowance amount, then the cost differential will be subtracted from the final amount of the contract.

Contractor shall submit a detailed cost breakdown to owner for review and approval prior to start of any work on this pay item.

Payment for this item will be made as part of an **ALLOWANCE** as used.

2.5 BYPASS PUMPING

The CONTRACTOR, at any time, may be required to bypass pump using pricing in Bid Item C.50, as directed to facilitate an inspection, repair or to mitigate a sewer overflow.

Bypass pumping (when applicable) - The contractor shall supply the pumps, conduits, and other equipment necessary to divert the flow of sewage around the pipe segment(s) and diversion chamber in which work is to be performed. The bypass system shall be of sufficient capacity to reduce the flows to acceptable levels. The contractor will be responsible for furnishing all necessary labor and supervision to set up and operate the bypassing system including provisions for traffic control, if required.

When flow in a sewer line is bypass pumped, sufficient precautions shall be taken by the contractor to protect the sewer lines from damage that might result from sewer surcharging. Further, precautions must be taken to ensure that sewer flow control operations do not cause flooding or damage to public or private property being served by the sewers involved. In no case shall bypass pumping of a line result in either a direct or indirect discharge from the sewer.

2.6 DEBRIS DISPOSAL

Grit, sludge, and other sewer debris from the work shall be disposed of at the following locations, or other locations approved by Owner:

- A. Republic Services (formerly Allied Waste), Route 980, 11 Boggs Road, Imperial PA 15126. Contact for the Imperial Landfill is Ms. Bernie Wilson at 724-695-4422. ALCOSAN's grit profile number is 5083Y24767.
- B. Waste Management Landfills. Contact is Scott Dellinger at 412-475-2808 or sdellinge@wm.com
 1. Monroeville Landfill, 600 Thomas Street, Monroeville PA 15146. ALCOSAN's sludge/grit profile number is 1.
 2. Arden Landfill, Arden Station Road, Washington PA 15301. ALCOSAN's sludge/grit profile number is 30.
 3. South Hills Landfill, 3100 Hill Road, Library, PA 15129. ALCOSAN's sludge/grit profile number is 5939.
 4. Valley Landfill, Pleasant Valley Road, Irwin, PA 15642. ALCOSAN's sludge/grit profile number is 6336.

Contractors are responsible to set up a separate account for billing, confirm landfill hours of operation, capacity limitations, and acceptance of materials to be disposed, as well as, obtain appropriate waste manifests for hauling with ALCOSAN specific profile numbers listed, as appropriate. It is the Contractor's responsibility to verify landfill sites will accept materials to be disposed, and all testing requirements have been met for disposal prior to hauling. ALCOSAN, or its designated agent, will

sign the contractor's waste manifests. The contractor will forward all paperwork related to disposal to ALCOSAN's designated representative.

2.7 SUBMISSION AND OPENING OF BIDS

Bids shall be submitted on the Bid Form which is attached hereto and shall state the proposed price of the Work (typewritten or in ink), both in words and in figures. Bids must be signed in ink. Bids that are not so priced and signed may be rejected.

The Bid must be submitted intact, sealed and delivered in the envelope which accompanied these Contract Documents, addressed to the Allegheny County Sanitary Authority, Director of Regional Conveyance, 3300 Preble Avenue, Pittsburgh, PA 15233. The Bidder's name and address shall be marked in the upper left-hand corner, and the words "**SEALED BID FOR CONTRACT NO. 1815 –SEWER IMPROVEMENT CONTRACT 2025 - 2026**" shall be clearly marked in the lower left-hand corner of the sealed envelope. Hand delivered Bids shall be delivered to the Contract Clerks at the Owner's Engineering Department. The envelope shall also bear notation to clearly indicate all Addenda received by its identifying numbers and dates received. It is the responsibility of each Bidder to make sure that its Bid is received by the Owner prior to the date and time set for opening of the Bids. Upon Bidder's failure to comply with the foregoing, the Owner may treat the Bid as "nonresponsive" and return it to the Bidder unopened. Bids will be received at the office of the Owner until **11:00 A.M.** prevailing time, on **Friday, January 16, 2026**, at which time and place said Bids will be opened publicly and read aloud.

Bids must be firm. **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.** The Bid may also be rejected if the product or Work offered by the Bidder is determined by the Owner not to be in substantial conformance with the Contract Documents including the Specifications.

Bidder shall not detach and submit Bid pages separately but shall submit their Bids bound with the complete volume of Contract Documents, including all pages correctly assembled.

The Bid should be properly executed and accompanied by all Bonds, Certificates, Questionnaire Forms and other supporting information and documents, as described in the Bid Form.

2.8 SUPPLEMENTARY INFORMATION PACKAGE

- A. After the Bid opening, upon request of the Owner, the Apparent Low Bidder shall be required to submit, prior to the award of the contract, quadruplicate copies of a Supplementary Information Package as described in this Section. The request shall be made solely for the purposes of the Owner's evaluation and review of all proposed materials, equipment, and

items of work and determination of conformance with the Contract Documents.

B. The Supplementary Information Package shall include all such documentation as may be required elsewhere in the Contract Documents and all data and information deemed appropriate by the Bidder to completely describe its respective offering including but not necessarily limited to the following items:

1. The information requested in the Information for Bidders Section 2.26 entitled "Qualifications and Experience of Bidders."
2. List of all Subcontractors, with information also demonstrating compliance with **Section 2.26** and this **Section 2.8**, as applicable.
3. Listing of Proposed Construction Experience and Equipment.
4. Qualifications and Licensures of the Engineering Professional conducting design and permitting services.

C. Upon failure to provide all the supplemental information requested in the Contract Documents, the Owner may (at its discretion) treat the Bid as nonresponsive and the Bid may be rejected for this reason alone.

The Contractor shall clearly demonstrate his approach to cleaning prior to award.

2.9 SPARE PARTS AND SPECIAL TOOLS

This section is intentionally omitted from this Contract.

2.10 AWARD, CONTRACT EXECUTION AND NOTICE TO PROCEED

The Owner may reject all Bids. The Owner may, solely in its own discretion, award the Contract to the lowest responsive and responsible Bidder within **sixty (60) calendar days** from the date of Bid opening. A time extension may be made by the written mutual consent of the Owner and the Apparent Low Bidder.

All Bids will remain open for acceptance by Owner for **sixty (60) calendar days** after the Bid opening.

In the event a Bidder fails, refuses, or neglects to provide any requested information or documents within the time stated in the Contract Documents, the Owner will have the right to reject its Bid as nonresponsive.

The Notice to Proceed will be made by registered letter mailed to the Successful bidder and shall be effective the date of receipt of the mailing. The Owner will endeavor to issue the Notice to Proceed within **ninety (90) calendar days** of the Bid opening and **thirty (30) calendar days** after the Contract is awarded. Any delays caused by the Successful Bidder's failure to provide any required

documents within the specified time may, at the Owner's option, cause an equivalent number of days to be added to these timeframes. The Successful Bidder will commence performance immediately upon receipt of the Notice to Proceed. The Successful Bidder should not order any materials or equipment or make any financial commitments concerning this Contract until receiving the Notice to Proceed. Successful Bidders that do Work or prepare to do Work prior to receiving the Owner's Notice to Proceed are proceeding at their own risk.

2.11 CONTRACT DOCUMENTS

Contract Documents may be obtained at the office of the Allegheny County Sanitary Authority, 3300 Preble Avenue, Pittsburgh, PA 15233. A fee of **\$100** (delivered by check or money order, no cash will be accepted) shall be required for each set of Contract Documents obtained. If the Owner is requested to mail the Contract Documents, the above fee as well as a check or money order or the like (no cash will be accepted) must be submitted to the Owner in advance to cover delivery charges ("Cost Advance"). In such case, delivery instructions must be included in the request and only the amount received in excess of the **\$100** fee will be applied to delivery charges. If the Cost Advance is insufficient, the Bidder should anticipate that the Owner will not transmit the Contract Documents. No part of the Cost Advance will be refunded.

Submission of a Bid constitutes a representation by the Bidder to the Owner that the Bidder has reviewed the Contract Documents in their entirety and has analyzed all applicable provisions, terms, conditions and sections and related information in preparation of its Bid. This representation is a material inducement for the Owner's consideration of the Bidder for this Contract.

2.12 "OR-EQUAL" ITEMS

Whenever a product is defined in the Contract documents by trade name and catalogue number of a manufacturer or vendor, the term "or-equal," if not inserted therewith, shall be implied. Any reference to a particular manufacturer's product either by trade name or by limited description is solely for the purpose of more clearly indicating the minimum standard of quality desired, except where a "no substitute" is requested. When a "no substitute" is requested, the Owner will consider Bids for the referenced product only. The term "or-equal" is defined as meaning any other make which, in the sole opinion of the Owner, is of such character, quality and performance equivalence as to meet the standard of quality and performance of the products specified and is such that offering the "or-equal" will not, in the Owner's opinion, constitute a change of the Project.

2.13 ALTERNATE ITEMS

Alternates are optional and are not in lieu of furnishing a Base Bid for the actual Work specified. During the Bid review procedure, the Alternate will not be considered in determining the low responsive, responsible Bidder. The review of

the Bids will be based upon the specified Work. The Owner may, but need not, analyze the Alternate for acceptability until after the award of the Contract. The decision of the Owner with regard to the acceptability shall be final.

2.14 QUESTIONS REGARDING CONTRACT DOCUMENTS/ERRORS

In general, no answer will be given to prospective Bidders in reply to an oral question if the question involves an interpretation of the intent or meaning of the Contract Documents, or the equality or use of products other than those designated or described in the Contract Documents. Any information received by Bidders other than by means of the Contract Documents or by Addenda, as described herein, is given informally, for the information and convenience of the Bidder only and is not guaranteed, is without legal effect and may not be used to bind or otherwise obligate the Owner. The Bidder agrees that such information shall not be used as a basis of, nor will the giving of any such information entitle the Bidder to assert, any claim or demand against the Owner.

To receive consideration, any question, inquiry or request for interpretation or clarification shall be submitted to the Construction Manager in writing, at least **ten (10) calendar days** prior to the advertised date for receipt of Bids. The Owner will review all such questions or requests and may issue Addenda, which will become a part of the Contract Documents, to provide interpretation, clarification or to answer issues or questions so raised which, in the opinion of the Owner, require formal responses. Copies of all Addenda will be delivered or sent, prior to the advertised date for receipt of Bids, to all prospective Bidders known to have received the Contract Documents. Addenda will be delivered by messenger or sent by certified mail, return receipt requested, to prospective Bidders or their designated agents, at the addresses given by them. At its option, the Owner may transmit Addenda by facsimile.

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

2.15 REFERENCE INFORMATION

All information given in the Reference Information or in the Contract Documents relating to existing conditions is from the sources presently available to the Owner. All such information is furnished for the information and convenience of Bidders and is not guaranteed. All prospective Bidders agree that as a condition for Owner's review of its Bid that said information shall not be used as a basis for asserting any claims or demands against the Owner. It is understood by all prospective Bidders that they shall be responsible for determining the exact conditions prior to bidding and that they shall not be compensated for what they may feel is extra work because of their failure to discover conditions they could have discovered upon investigation.

2.16 BIDDERS TO INVESTIGATE

Bidders are required to submit their Bids upon the following express conditions which will apply to and be deemed a part of every Bid received:

- A Bidders must satisfy themselves, by personal examination of the Job Site and by such other means as may be necessary or helpful as to the actual and exact conditions existing, the character and requirements of the Work and the difficulties attendant upon its execution and analyze all laws and regulations which may affect the Work. On written advance request, the Construction Manager will provide each Bidder reasonable access to the Job Site to conduct such explorations and tests (at Bidder's own expense) for submission of a Bid. Bidder shall fill all holes and clean up and restore the Job Site to its former condition upon completion of such explorations.
- B If any discrepancies should be found between existing conditions and the Contract Documents, prospective Bidders shall report these discrepancies to the Construction Manager for clarification prior to submitting a Bid. Failure of the Bidder to recognize Job Site conditions that affect the Work shall not be considered sufficient cause for an increase in the Contract Price.
- C The submission of a Bid will constitute an incontrovertible representation of Bidder that Bidder has and will comply with every term, condition and requirement of the Contract Documents and that the Contract Documents are sufficient in scope to convey all terms, conditions and requirements for performance and furnishing of the Work.

2.17 APPROXIMATE ESTIMATE OF QUANTITIES

Any estimate of quantities of Work to be done and Materials to be furnished in these Contract Documents is an approximation and is given only as a basis of calculation upon which to determine the lowest Bidder. The Owner does not assume any responsibility for the quantities. The Bidder specifically agrees not to plead misunderstanding or deception because of such estimates, or of the character of Work or location, or other condition pertaining thereto.

By executing this contract, Contractor agrees that:

- (a) Quantities. The quantities given on the contract plans or in the supplemental specifications for the various items of Work are estimates of the amount required to complete this contract, with the exception of certain items designated as contingent items on the contract plans or supplemental specifications for which the extent and location could not be approximately ascertained prior to the commencement and actual progress of the Work and for which nominal quantities are given in unit prices under which Contractor shall do the Work to the extent and in the location ordered, subject to the limitations stipulated in this Section.

(b) Estimates. Contractor is satisfied with the estimates given on the contract plans or on supplemental specifications for determining the prices for which it agrees to do the Work required by this contract. Contractor will not at any time dispute or complain of such estimates nor assert that there was any misunderstanding in regard to the nature of the Work. Contractor further agrees that the extent and location indicated on the contract plans for the several items of the Work are approximate only with the exception of contingent items which are nominal and that it will do the Work under the several items included in this contract in conformity with orders given by the Owner regardless of changes in extent or location, subject however to the limitations and qualifications hereinafter in **paragraphs (c) and (d)** of this section and that payment made at respective unit prices bid for work performed in conformity therewith shall be full compensation.

(c) Quantity of Contingent Items. Contingent items of Work shall be done when ordered by the Engineer and shall be paid for at the contract unit bid price. The purpose of the contracts items designated in the bid form as "C" is to establish unit prices for work not included in other bid items. The Engineer has the right to order that contingent work be provided in smaller or larger quantities than the estimated quantity indicated in the Bid Form. The Contractor shall not have any right to demand payment for, and will not be paid for, any costs associated with the item, including, but not limited to overhead and profit, due to the fact that the item was not used in the work or was used in smaller or larger quantities than those indicated in the bid form. The Contract Sum shall be subject to adjustment according to final measured quantities and the unit prices in the bid will apply to such final quantities.

(d) Diminished, Extra Work and Omissions. The Owner shall have the right to order extra Work and alterations including but not limited to, alterations in alignment, grade, arrangement, plans, details, quantity and quality of the Work or materials as required by the Contract Documents or to omit any part thereof. All such alterations, extra Work or omissions shall be ordered in writing by the Owner. The Owner, however, need not issue a written order to partially or entirely eliminate contingent items of work.

2.18 ACKNOWLEDGMENT OF ADDENDA

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.

2.19 RISK OF LOSS/BID PRICES

All prices quoted shall include material delivered or obtained by the Bidder to or for the Owner F.O.B. at the Job Site. All transportation charges shall be prepaid,

and the risk of injury, damage or loss in transit shall be borne by the Successful Bidder.

Such injury, damage or loss shall not release the Successful Bidder from any contractual obligations imposed in the Contract Documents. For Owner-Furnished Equipment to be installed under this Contract, prices quoted shall include materials, equipment and labor to load, transport and unload such items from the Owner's storage area to the Job Site, including all risks for damage of this equipment from the time these items are turned over to the Successful Bidder until the completion of the Contract.

2.20 TAX EXEMPTIONS

The Bidders shall take notice of and shall be responsible for any local or State taxes levied and applicable, and the costs for the same shall be included as part of this Bid. Sales to the Owner may be exempt from Pennsylvania Selective Sales and Use Taxes. Certain of the Bidder's tax obligations are described in more detail in Section 3.20 of the General Conditions entitled, "Sales and Use Tax."

2.21 BID SECURITY/CONTRACT EXECUTION

Bids shall be accompanied by a Certified Check or properly executed Bid Bond on the form included herein, with corporate surety approved to do business in the Commonwealth of Pennsylvania and satisfactory to the Owner and with valid Power of Attorney attached, in the amount of not less than **Ten percent (10%)** of the total Lump Sum Price quoted under the Bid, payable to the Allegheny County Sanitary Authority, as security that the Bidder, if awarded the Contract, shall enter into a written Contract with the Owner, on the form included herein, and supply to the Owner all required Bonds and all other documents, materials or items required to be executed, delivered or supplied by it.

Upon failure on the part of such Bidder to enter into a written Contract with the Owner (and return all required documents to the Owner, including Performance and Payment Bonds and Insurance Certificates, etc., after proper execution) within **ten (10) calendar days** (not including Sundays or Legal Holidays) from the date of mailing of such Contract to it at the address given in its Bid, such defaulting Bidder and its Surety shall be liable to the Owner for the damages sustained by the Owner by reason of such default. In such event, the Bidder's liability shall not be limited to the amount of the Bid security which accompanied its Bid. If the Bid security were a certified check, such check shall be cashed by the Owner and deposited forthwith to the Owner's account. If the Owner's actual damages are less than the amount deposited, the excess shall be returned to the defaulting Bidder. No allowance for interest or the like shall be paid or payable by the Owner on any Bid security.

The Bid security of any Bidder that the Owner believes may receive the award may be retained by the Owner until the earlier of the tenth calendar day after the Effective Date of the Contract or the sixty-first calendar day after the Bid opening.

2.22 WITHDRAWAL OR MODIFICATION OF BIDS

The attention of Bidders is directed to the fact that, in submitting its Bid, the Bidder agrees that it will not withdraw it within **sixty (60)** calendar days after the actual date of opening of Bids or for **one hundred twenty (120) calendar days** if so permitted under applicable law, or for such longer period as may be agreed to by the Bidder. Upon submission of a proper request to the Owner, in writing, and identification of the one making the request, a Bid may be withdrawn, at any time prior to the designated time for the opening of Bids. Certain Bids may be withdrawn after the Bid opening if in compliance with the Act of January 23, 1974, P.L. 9 No. 4 §1 et seq. 73 P.S. §1601 et seq. entitled, "Public Contracts - Withdrawal of Bids" (for purposes of this Section, the "Act") subject to the limitations and conditions contained therein. Included in the provisions of the Act is a requirement that the Bidder present credible evidence to the Owner within two (2) working days after opening the Bids of a clerical mistake, as opposed to a judgment mistake, that was actually due to an unintentional and substantial arithmetical error or an unintentional omission of a substantial quantity of work, labor, material or services made directly in the compilation of the Bid.

Unless a Bid has been formally withdrawn as provided above, it shall be deemed open for acceptance until the Contract Agreement has been executed by both the Bidder and the Owner or until the Owner manifests that it does not intend to accept the Bid. Notice of acceptance of any one Bid shall not constitute rejection of any other Bid or a manifestation that Owner does not intend to accept any other Bid.

Any Bidder may modify its Bid by telegraphic or facsimile communication at any time prior to the scheduled closing time for receipt of Bids, provided that such telegraphic or facsimile communication is received by the Owner prior to such closing time and, further, provided that a written confirmation of the telegraphic or facsimile communication, over the signature of the Bidder, was postmarked prior to such closing time. Telegraphic or facsimile modifications shall not reveal the Bid price but shall provide the amount(s) to be added to, subtracted from, or other modifications necessary to be made to the prices or terms of the Bid, so that the final prices or terms will not be known to the Owner until the sealed Bid is opened. If the required written confirmation is not received by the Owner within **two (2) calendar days** (excluding Sundays or Legal Holidays) from the closing time, the Owner may, at its option, refuse to consider or give legal effect to such telegraphic or facsimile communication.

2.23 MORE THAN ONE BID

If more than one Bid is offered by any one Bidder in its own name or in the name of his agent, partner, or other person, then all but the lowest of such Bids will be rejected.

2.24 ALTERATION OF BIDS AND DOCUMENTS

No alteration, erasure, addition or omission of required information, or any change of the Contract Documents is permitted, except in accordance with the provisions of **Section 2.14** hereof entitled, "Questions Regarding Contract Documents/Errors."

2.25 RIGHT TO REJECT OR ACCEPT BIDS

The Owner reserves the right, which is understood and agreed to by all Bidders, to reject any or all Bids; to waive any informality, nonmaterial change or clarification in any part or provision of the submitted Contract Documents; or to accept any Bid, should the Owner determine that it is in its best interest to do so. The Owner's decision on the qualification of any Bidder or the adequacy, responsiveness, propriety or timeliness of the Bid and/or its decision to reject any or all Bids or to accept any Bid shall be final, binding and uncontestable as to the Bidder.

Any part of the Bid submitted by the Bidder which is unintelligible, or which exhibits any erasure or other manipulation, or is not properly signed or otherwise made up, will, at the discretion of the Owner, be considered nonresponsive and may be rejected for that reason alone.

The Owner may consider the qualifications and experience of subcontractors, suppliers, and other persons and organizations proposed for those portions of the Work as for which the identity of subcontractors, suppliers, and other persons and organizations is requested in the Contract Documents or made by the Bidder.

2.26 QUALIFICATIONS AND EXPERIENCE OF BIDDERS

Each Bidder must be regularly engaged in and have at least the amount of experience specified below in, the installation of the cleaning and maintenance of interceptor systems. The Contractor shall supply a complete record of experience for the following:

1. Foreman Qualifications – Foreman of the crew shall have at least **five (5) years** of experience.
2. The Company performing the work must certify that it has not less than **ten (10)** years of experience in interceptor cleaning experience. **The Contractor shall submit a detailed record of experience to the Director within ten days of the bid opening date.**

No award will be made to any Bidder who cannot warrant, and upon request cannot demonstrate, that it possesses the knowledge, experience, skill, capital, financial capacity, charters, licenses, permits, patents and personnel necessary to satisfactorily enable it to prosecute and complete the Work successfully and

perform the Work within the Time For Completion as set forth in the Contract Provisions. The Owner's decision or judgment on these matters will be final, conclusive and binding. The Owner may make such investigations as it deems necessary and the Bidder shall furnish to the Owner, under oath if so required, all such information and data for this purpose as the Owner may request.

2.27 MINORITY AND WOMEN'S BUSINESS ENTERPRISE AND LABOR SURPLUS AREA POLICY

It is the policy of the Owner to award a fair share of contracts to minority and women's businesses. The goal of the Authority is that **10 to 25 percent** of all dollars relating to its contracts be awarded to minority or women's business enterprises. The Owner will make every effort to meet that goal in its contracts as well as encourage that goal among its contractors, suppliers and their subcontractors.

The Owner uses affirmative steps to assure that minority and women's businesses are used when possible as sources of supplies, equipment, construction, and services. The Owner encourages its contractors and suppliers to take the same measures when recruiting Subcontractors. Affirmative steps include the following:

- A. Including minority and women's businesses on solicitation lists and contacting them whenever they are potential sources.
- B. Use of area newspapers that serve minority or women's groups for advertising for contracts when work permits. A statement of this policy will be included in the ad text.
- C. Use of minority or women's business associations to contact businesses of this type. A list of these organizations is maintained at the Authority.
- D. Dividing total requirements when economically feasible into small tasks or quantities to permit maximum participation of minority and women's businesses.
- E. Establishing delivery schedules when the requirements of the Work permit that will allow these businesses to participate.
- F. Requiring each party to a sub-agreement to take the affirmative steps listed above.
- G. Procuring goods and services from labor surplus area firms.

Further information concerning this matter may be obtained from the Owner.

2.28 FICTITIOUS NAME REGISTRATION

Where the Bid is made by an individual or individuals doing business under a fictitious name, there shall be attached to the Bid, Certificates from the Office of

the Secretary of the Commonwealth and from the Prothonotary's Office showing that each individual or individuals are fully registered under the Fictitious Names Act of the Commonwealth of Pennsylvania 1982, Dec. 16, P.L. 1309, No. 295 § 2, 54 Pa. C.S.A. § 301, et. seq. Additional Certificates, in as many copies as may be required shall be furnished to the Owner by the successful Bidder prior to the execution of the Contract.

2.29 NON-PENNSYLVANIA CORPORATIONS

Attention is directed to the fact that if the Bidder is a non-Pennsylvania corporation, it shall obtain a Certificate of Authority to do business in Pennsylvania, as required by the Pennsylvania Business Corporation Law of 1988, approved December 21, 1988, P.L. 1444, No. 177 § 103 amended, 1990, Dec. 19, P.L. 834, No. 198, § 102, 15 Pa. C.S.A. § 4121.

2.30 PRE-BID CONFERENCE

A Pre-Bid Meeting, will be held via Microsoft Teams Virtual Meeting at 10:00 A.M., prevailing time, on Tuesday, December 16, 2026.

2.31 PATENTS AND PROPRIETARY RIGHTS

Prior to bidding, the Bidder shall acquire through assignment, purchase, license, or other means, all rights required to fully utilize all technology, know-how, trade secrets, inventions, processes, articles, procedures, equipment, apparatus, devices, or any part thereof, and any and all things or matters that are to be used in pursuance of its performance under the terms and conditions of this Contract. Under no circumstances may the Bidder infringe on any patent or any other proprietary rights of third parties in its performance under the terms and conditions of this Contract.

In the event that the Owner shall have any reason to believe that any Bid or performance of this Contract will in any way infringe on any patent or proprietary rights of third parties, the Owner may, at its sole discretion, reject any such Bid or take such other measures that it deems to be in its best interest (including requiring the Bidder to post security). The Bidder will defend, indemnify and save harmless Owner, and all persons acting for or on behalf of Owner, from all claims and liability of any nature or kind, including costs and expenses, arising from or occasioned by any infringement or alleged infringement of patent or proprietary rights on any technology, know-how, trade secret, invention, process, article, procedure, equipment, apparatus, device, or any part thereof, to be furnished, utilized or installed by said Bidder, or arising from or occasioned by the use or manufacture thereof, including their use by the Owner. Patents and Proprietary Rights are discussed in more detail in the Contract Provisions.

2.32 MATERIALS

Submittals of a Bidder constitutes a representation by the Bidder that all specified materials and equipment will be available in time for the timely completion of this Contract. The Successful Bidder is responsible for making sure that the progress of the Work is orderly and timely. The Successful Bidder's duties and responsibilities are discussed in more detail in the General Contract Conditions.

2.33 LIST OF MAJOR SUBCONTRACTORS/SUPPLIERS

The Bidder shall submit for approval a list of all subcontractors employed on the Work, whose work to be performed is anticipated to be in excess of **One Hundred Thousand Dollars (\$100,000.00), or five percent (5%)** of the Lump Sum Price, whichever is greater, with a list of Work they are to perform. Bidders are advised that they must submit a complete list of subcontractors, as requested. Failure to provide this information will, at the Owner's election, make the Bid nonresponsive or constitute a breach of the awarded Contract. The Bidder is also cautioned that should the Contract be awarded to it, it must use the subcontractor named in its list of subcontractors for each of the items listed, unless otherwise directed in writing by the Owner.

2.34 NEW OR REMANUFACTURED EQUIPMENT

This section is intentionally omitted from this Contract.

2.35 ALCOSAN CONSENT DECREE

Bidders are advised that **CONTRACT NO. 1815** is being completed in accordance with all terms and conditions of the legal Consent Decree as approved by Allegheny County Sanitary Authority (ALCOSAN), United States Environmental Protection Agency (EPA), Commonwealth of Pennsylvania Department of Environmental Protection (PaDEP) and the Allegheny County Health Department. The Bidder, if awarded the Contract, will be acting as an Agent of ALCOSAN and as such will be legally bound to the terms, conditions and provisions as set forth in the Consent Decree.

2.36 SAFETY: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS

IN THE EXECUTION OF THIS CONTRACT, ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH FEDERAL OCCUPATIONAL SAFETY AND HEALTH STANDARDS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (PL 91-596) AND UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (PL 91-54).

The Authority will not be liable for any citations received by the Contractor from OSHA. It is the sole responsibility of the Contractor to comply with OSHA Standards.

2.37 CONFINED SPACE ENTRY REQUIREMENTS

Any work within existing manholes, diversion structures, and access shafts will be classified as "Confined Space" and will require complete compliance with current OSHA and ALCOSAN Standards.

2.38 ACCESS TO WORK AREAS

The Contractor is responsible for obtaining all necessary permits and the corresponding fees needed for the Work and the transporting of any equipment or material over private property and public streets. It is further the Contractor's responsibility to obtain the necessary permits and/or permission from the various municipalities, Commonwealth of Pennsylvania, and/or owners of private properties. The cost of construction or improvement of any access route to the project site(s) shall be the responsibility of the Contractor.

At the conclusion of the Work, at the Contractor's expense, the Contractor shall restore all access routes and all other areas disturbed due to the Work, to their original state prior to the Work.

2.39 SPECIAL NOTICE REGARDING MAINTENANCE AND PROTECTION OF TRAFFIC

Streets shall not be unnecessarily obstructed, and the Contractor shall take such measures as may be necessary to keep the street or road open and safe for traffic. The Contractor shall be responsible for obtaining all necessary permits and the fees associated with these permits.

2.40 COMPLIANCE WITH LAWS

The Contractor shall comply with the regulations of all regulatory agencies having jurisdiction including, but not limited to, EPA, PaDEP, OSHA regulations, US Army Corps of Engineers, US Coast Guard, ACHD, and the Allegheny County Soil Conservation District regulations. No bypassing of sewage, as a result of the Contractor's operations, shall be allowed. Also, in order to perform the obligations set forth in the Contract and the Work, the Contractor shall be responsible for becoming familiar with the obligations and requirements of the Consent Decree and shall perform the Work in a manner so as not to cause the Owner to fail to perform, violate, or untimely perform, any obligation or requirement of the Consent Decree. Also, from time to time, the Contractor may be requested to, and shall, provide the Owner with verifications and/or other documents which relate to the Work and which may be required by, and/or necessary for, the Consent Decree, and/or to attest to and/or verify the accuracy and/or completeness of the Work or documents or submittals provided in regard to the Work.

2.41 ACCESS TO MANHOLES AND DIVERSION STRUCTURES

Where access to the various manholes and diversion structures must be cleared of heavy vegetation, the Contractor shall perform the clearing of pathways to facilitate mobilization of his equipment. Any vegetation or other debris cleared by the Contractor shall be removed and disposed of properly by the Contractor.

2.42 PROPERTY CLEANING

Immediately upon completion of any work, it shall be the Contractor's responsibility to clean the entire area of all debris. All debris is to be disposed of properly.

2.43 CONTRACTOR NOT TO OPERATE EXISTING VALVES AND/OR OTHER EXISTING SYSTEM APPURTENANCES

The Contractor shall schedule, maintain, and coordinate all activities and shall cooperate with the Owner's personnel so that a minimum of interruption results. The Contractor shall not operate existing system valves, sluice gates, controls, or other appurtenances at any time, but when the same is needed to facilitate and accommodate activities, he shall request such operation from the Owner. The Contractor shall provide the Owner with reasonable advance notice for such assistance.

2.44 SPECIAL NOTICE REGARDING WATER USE

All bidder's attention is drawn to the fact that the Contractor shall be responsible for all use and obtainment and payment for all permits and payments required for such use in order to acquire water for cleaning and construction purposes on this project. Owner makes no representations regarding the availability of source water or any other utilities required for this project.

2.45 PROJECT LABOR AGREEMENT AND LETTER OF ASSENT

A Project Labor Agreement, which includes a letter of Assent, is included herein.

The Bidder shall, when executing the Contract Agreement, 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**.

The Contractor shall also require each Subcontractor to execute a copy of the Letter of Assent. The Contractor must be sure that each of its Subcontractors has furnished an executed copy of the Letter of Assent to the CM before the Subcontractor starts work on the Project. The Contractor shall abide by and ensure that each Subcontractor abides by the terms of the Project Labor Agreement.