



July 30, 2025

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**CONTRACT NO. 1797**

**OHIO RIVER TUNNEL**

**ADDENDUM No. 1**

All bidders bidding **Contract No. 1797** shall read and take note of this **Addendum No. 1**. The Contract Documents for **Contract No. 1797 – Ohio River Tunnel** are hereby revised and/or clarified as stated below.

**Acknowledgement of Contract No. 1797; Addendum No. 1**

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

**Michael Lichte, P.E.**  
Director of Regional Conveyance

**ACKNOWLEDGEMENT OF**  
**CONTRACT NO. 1797 – OHIO RIVER TUNNEL**  
**\*\* return via email to [ORT.bids@alcosan.org](mailto:ORT.bids@alcosan.org) \*\***

**ADDENDUM No. 1**

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

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

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

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

**JULY 30, 2025  
CONTRACT NO. 1797  
OHIO RIVER TUNNEL  
ADDENDUM No. 1**

This Addendum No. 001 consists of 98 total pages including the following attachments:

- Attachment A – Pre-Bid Meeting Presentation (61 pages)
- Attachment B – Pre-Bid Meeting Attendance List (3 pages)
- Attachment C - Site Visit Handouts (12 pages)
- Attachment D - Site Visit Attendance Sheet (4 pages)
- Attachment E - Core Shed Visit Instructions (2 pages)

**ATTENTION BIDDERS**

The following additions to and modifications of the Contract Documents will be included in and become part of the Contract for the Allegheny County Sanitary Authority (ALCOSAN) Ohio River Tunnel. Bidders are instructed to take the following into account in rendering any Bid for this work

The Bidder is responsible for verifying that he/she has received and reviewed all of the pages of the Contract Documents as well as all of the pages and attachments of all addenda. The Bidder shall verify all pages with the table of contents in the Contract Documents and the first page of all Addenda. Receipt of this Addendum No. 1 must be noted on the Bid Form. These items modify the portions of the documents specifically noted; all other provisions of the Contract Documents shall remain in effect.

**JANUARY 14, 2025**  
**CONTRACT NO. 1797**  
**OHIO RIVER TUNNEL**  
**ADDENDUM NO. 1**

**A. PRE-BID MEETING**

1. A Pre-Bid Meeting was held via Microsoft Teams Video Conference at 9:00 a.m., Prevailing Time, on July 15, 2025.
2. The Pre-Bid Meeting Presentation is provided in Attachment A.
3. The Pre-Bid Meeting Sign-in Attendance Sheet is provided in Attachment B.
4. See item “D” below for questions & answers at the Pre-Bid meeting. The presentation slides and Q&A constitute as the formal meeting record / meeting minutes.

**B. SITE VISIT**

1. A Site Tour began at 9:00 a.m., Prevailing Time, on July 22, 2025.
2. The Site Visit Handouts are provided in Attachment C.
3. The Site Visit Attendance Sign-in Sheet is provided in Attachment D.
4. All 8 of the shaft sites were visited. An overview of potential challenges and constraints of each site was presented by Mott MacDonald (Final Design Consultant).
5. For the O07 Site (CCT receival shaft), ALCOSAN announced that access is being granted to the Contractor for use of the old Crivelli Chevrolet car dealership building as was toured during the Site Visit. If used, the building will be returned to its current condition following construction. Legal terms and updated field office specification will be included in a future addendum.

**C. CORE SHED VISIT**

1. The Site Tour did not include a core shed visit.
2. See attached Memorandum dated July 23, 2025 for instructions (Attachment E).



## **D. QUESTIONS ASKED AT THE PRE-BID MEETING**

- Q1     *Site tour - "at the moment planned" Is there a chance this is changed?*  
A1     **No.**
- Q2     *What is the reason for Slurry wall designed locations as opposed to Secant pile wall?*  
A2     **The main reason for the slurry wall design is the size of the shaft.**
- Q3     *Will there be any laser scanning requirements for any of this work?*  
A3     **Survey requirements are defined in the Contract Documents.**
- Q4     *Is there any condition where a firm can use professional insurance if such firm is subbing?*  
A4     **Insurance requirements are specified in the Contract Documents.**
- Q5     *Will the attendees list be posted?*  
A5     **Yes. It is included in this Addendum.**
- Q6     *Has the soil been classified on the sites where demolition has taken place?*  
A6
  - **Prior to demolition, geotechnical investigations were performed on all ORT shaft sites. Soil samples were collected, and the results are included in *Appendix D – ORT Geotechnical Data Report*. Subsurface characterization, including of the soil, is included in *Appendix C – ORT Geotechnical Baseline Report*.**
  - **Phase I Environmental Site Assessments were completed for all eight ORT sites. Phase II Environmental Site Assessments were completed at specific sites. As part of the Phase II Environmental Site Assessments, specific soil samples were collected at three sites: O41 (former Cardello Electric Supply Company site), O14 (former Battaglia Auto Recycling parcel), and O07 (former Crivelli Dealership site). *The Phase II Environmental Site Assessment Reports* for O41, O14, and O07 are in *Appendix E - Supplemental Information* (Sections 1.2, 1.6, and 1.7 respectively) and provide information for specific soil samples collected.**
  - **At one site where demolition has taken place, O41, specific soil samples were collected. *Appendix E - Supplemental Information* Section 1.2 provides information for the specific O41 soil samples collected.**
  - **At one parcel where demolition has taken place, O14 (former Battaglia Auto Recycling parcel), stained materials in a portion of the parcel were excavated and disposed of. *Appendix E - Supplemental Information* Section 1.6 provides information for the specific O14 samples collected.**

- Q7 *Will this slide presentation be e-mailed out to the Pre-Bid attendees? Can a plan holders list be provided?*  
A7 **Yes; the slide presentation and attendees list are included in this Addendum. The plan holders list will not be provided.**
- Q8 *Have the existing sewer locations been surveyed at the tunnel intersection points and to what accuracy?*  
A8 **In accordance with Specification Section 31 41 00, “The Contractor must employ the appropriate means and survey techniques to field-verify these existing elements prior to the development of shop drawings and installation of any NSF SOE wall systems and permanent structures.”**  
**Refer to the Contract Drawing that define “Horizontal datum is referenced to the PA State Plane South NAD83 Coordinate System. Vertical Datum is referenced to the NAVD88.”**
- Q9 *Is there a technical reason why the Saw mill run tunnel is non-TBM?*  
A9 **It is a relatively short tunnel, and there's no power for a TBM at that site.**
- Q10 *Is SDVOSB (service disabled veteran business) participation recommended for sub contractors?*  
A10 **SDVOSB is not a contractual requirement, but we would encourage giving these companies an opportunity.**
- Q11 *Can the draft permit documents be provided?*  
A11 **The draft and final permits that have been acquired are included in the Contract Documents. Contractor will be required to secure additional permits as necessary to complete construction.**
- Q12 *Will ALCOSAN provide also water supply for TBM Excavation?*  
A12 **Water supply required for TBM excavation shall be provided by the Contractor.**
- Q13 *Is ALCOSAN considering a revision to the Differing Site Conditions Language?*  
A13 **Please refer to A1 in Section E “QUESTIONS & ANSWERS FROM RFI’S SENT TO ORT.bids@alcosan.org”**
- Q14 *Is the ORT Tunnel methodology specified ?*  
A14 **Yes, please refer to the Contract Documents.**
- Q15 *Can a sub attend the prebid as part of the prime team.*  
A15 **Yes, if the Prime invites you but overall attendees per team is still limited to four (4).**

- Q16 *There is a M/WBE goal for the contract, but in the presentation it stated that a DBE database is acceptable as certification. These certifications are not usually cross referenced as acceptable. Can you provide clarity?*
- A16 **ALCOSAN will accept a DBE certification from PAUCP. Please submit a RFI if more clarity is needed.**
- Q17 *Is there a way to keep RFI confidential?*
- A17 **No. ALCOSAN does not specify the requestor's name in the RFI response.**

**E. QUESTIONS & ANSWERS FROM RFI'S SENT TO**  
**[ORT.bids@alcosan.org](mailto:ORT.bids@alcosan.org)**

- Q1 *Question 01: Differing Site Condition (DSC)*

*The Contract Documents are vague and incomplete regarding the process of determining a Differing Site Condition (DSC), the responsibilities of the Contractor and the Owner during that process, and the entitlement to adjustments, if applicable, to the Contract Sum and/or Contract Time.*

*The following Contract language contains information about or related to a DSC:*

*Article 2 INFORMATION FOR BIDDERS Section 2.05 Examination of Contract Documents and Site – states that before submitting a Bid, each Bidder must examine the Contract Documents including any Geotechnical and/or Environmental Reports as listed in Article 4 and the Table of Contents thoroughly, attend the mandatory Pre-Bid Conference and mandatory Site Tour to become familiar with local conditions that may in any manner affect cost, progress or performance of the Work, become familiar with Federal, State and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of the Work; and study and carefully correlate Bidders observations with the requirements of the Contract Documents and that the submission of a Bid will constitute an incontrovertible representation that the Bidder has complied with every requirement of these Instructions and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.*

*Article 2 INFORMATION FOR BIDDERS Section 2.11 Bidders to Investigate - states that Bidders must satisfy themselves, by personal examination of the Job Site(s) 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.*

*Article 2 INFORMATION FOR BIDDERS Section 2.34 Geotechnical Baseline Report states that a Geotechnical Baseline Report (GBR) is included as part of the Contract Documents. The GBR is the single interpretive report addressing subsurface conditions in the Contract Documents and takes precedence over the Geotechnical Data Report (GDR). The GBR is not the sole basis of evaluating what is or is not a Differing Site Condition (DSC). See Article 3 for the definition and process regarding DSCs.*

*Article 3 GENERAL CONTRACT CONDITIONS Section 3.3 Additional Definitions states that a DSC is a latent physical condition at the Job Site(s) that differs materially from those indicated in this Contract; or an unknown physical condition at the Job Site(s) of an unusual nature which differs materially from those ordinarily encountered and generally recognized as inherent to the work of the character provided in the Contract Documents in the general location of and around the Job Site(s).*

*Appendix C – GEOTECHNICAL BASELINE REPORT – Section 1.2 Purpose – states that the Geotechnical Baseline Report (GBR) represents a Contractual standard that the Owner and the Contractor agree to use when administering the Differing Site Condition (DSC) clause in the Contract.*

*Appendix C – GEOTECHNICAL BASELINE REPORT – Section 1.2 Purpose - states the GBR is not intended to be the sole basis for determining if a DSC exists and that if a condition is encountered that is not addressed in the GBR, the parties may look to other Contract Documents, including the Geotechnical Data Report (GDR) and Specifications, for assistance.*

*Taken as a whole, the Contract language does not give the Contractor the right, as is typical for this scope and type of work, to rely solely on the GBR to determine a DSC. Instead, the Contract language is ambiguous in stating on the one hand that the GBR is a Contractual standard to use when administering the DSC clause but on the other hand that it is not determinative as to whether a DSC exists. As written, the language leaves open the question as to whether a condition that differs from that stated in the GBR will, on its own, constitute a DSC, or if the Owner will look to the GDR, the Specifications, and the general duty to investigate language in the rest of the Contract to argue that the Contractor cannot establish a DSC under any circumstances. In addition, if a condition exists that is not addressed in the GBR, then again other parts of the Contract, including those sections identified above relating to the Contractor's obligation to determine the exact conditions prior to submitting a bid, are to be used to assist in determining a DSC.*

*As a result, the current Contract allocates significant risk to the Contractor by making it their responsibility to determine, and therefore holding the Owner harmless from, conditions differing from or not represented in the GBR. This is a significant risk allocated to the Contractor that will need to be mitigated by the Contractor adding substantial contingency to their bid. Investigating and determining the exact conditions of the site, including miles of underground tunnel, is unreasonable and impossible for the Contractor to accomplish.*

*The Owner should follow industry standards for this scope and type of work and include a clear DSC Clause in the Contract and indicate that the GBR is the sole basis for determining if a DSC exists. The DSC should also define the process for notification, investigation, and adjustment, if necessary, of the Contract Sum and Contract Time.*

*A recent project of similar scope, the Port Authority North Shore Tunnel Project, included this DSC Clause:*

**ARTICLE 11 - DIFFERING SITE CONDITIONS**

*11.1 The Contractor shall promptly, upon the discovery of the following conditions, and before the conditions are disturbed, notify the Engineer in writing of: A. Subsurface or latent physical conditions at the Worksite materially differing from those indicated in the Contract Documents or any such conditions known by the Contractor prior to the submission of the Contractor's Bid; or B. Unknown physical conditions at the Worksite, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in this type of work.*

*11.2 The Engineer will promptly investigate the conditions, and determine if the actual conditions do differ materially.*

*11.3 If conditions are encountered that are materially different from those represented, detailed or defined, as set forth above, or those inherent in the type of work in question, and cause a compensable increase or decrease in the Contractor's cost for performing the Work, or the time required for the performance of the Work, the conditions will constitute a differing site condition and the Contractor may, subject to the requirements of Section 00900, Article 1, submit in writing to the Engineer a proposed change to the Work. No request by the Contractor for an equitable adjustment, or claim by the Contractor, arising from an alleged differing site condition, shall be considered timely unless the Contractor has given the required notice.*

*11.4 Nothing contained in this Article 11 shall limit or waive the responsibilities of the Contractor as set forth in Section 00300, Article 1.*

*Without this language, which again is typical for this type and scope of work, the Contractor cannot accurately bid this project and must add significant financial contingencies. Other Contractors may choose to not bid the project at all. In the end, the current contract language will limit competition and significantly raise the cost of the project to the Owner and eventually ALCOSAN customers.*

**A1 In the Contract Documents, Supplemental Contract Conditions Article 3SC, ADD the following new Section immediately after Section 3.83.**

**3.84 DIFFERING SITE CONDITIONS (DSC)**

**The following sections constitute the DSC Clause.**

- A. Definition of DSC – Refer to Section 3.3.J of Article 3.**
- B. Determination of DSC – Refer to Section 3.3.SS of Article 3SC.**
- C. Administration of DSC – Refer to Section 3.31 of Article 3SC.**
- D. Order of Precedence of Contract Documents – Refer to Section 3.2 of Article 3SC.**

- Q2 *Herewith Penetron USA formally requests the review of Penetron Admix SB as a suitable substitute for Concentrate Admix C-100 by Xypex for use in the Ohio River Tunnel project in Pittsburgh.  
Please find the attached submittal document for your review. If you have any questions, please feel free to contact me.*
- A2 **No substitutions or alternatives will be considered during the bidding process. These can be submitted post-award of the contract for consideration, but bidders should bid the plans and specifications as received.**
- Q3 *Article 2, 2.06 Submission and Opening of Bids says "The Bid must be submitted intact, sealed and delivered in the envelope which accompanied these Contract Documents..." When Picking up the Contract Documents, we were not supplied with an envelope to deliver our bid. Please advise how we are to submit our bid.*
- A3 **Bidders shall supply their own envelopes and label as designated in Article 2, 2.06.**
- Q4 *Please provide Contractors with the 3D Design Files associated with the "3D Views" plan set, plan sheets 51 to 68 of 770. The 3D files that were provided with the ALCOSAN Wet Weather Pump Station, Contract No. 1800, helped a great deal to understand the project.*
- A4 **The 3D models were not developed for construction use and will not be provided.**
- Q5 *Drill Tech Drilling & Shoring, Inc. will be bidding the Ohio River Tunnel as a subcontractor. Much of the work we will price will be impacted by site access, location, surrounding facilities and most important geotechnical information.  
While I understand it may be a tremendous undertaking getting the GC's to the sites and view the rock cores, I believe it is just as important for certain subcontractors to visit the sites and see the cores. Can you inform me how we as a subcontractor can perform site visits and view the rock cores?*
- A5 **Instructions for Core Shed visits are included in Attachment E of Addendum No. 1.**
- Q6 *Can you tell me if this bid includes HDD?*
- A6 **There are no HDD bid items in the Contract.**
- Q7 *I am writing this email to inform you about the availability of Idrocrete KR-1000 by MAPEI Corporation. This is a Xypex C-1000 crystalline growth waterproofing admixture equivalent for use in concrete. I have attached TDS and pertinent ASTM test data for this type of admixture. My goal is to submit this information to you to obtain approval for use on the upcoming Ohio River Tunnel project which is set to bid on 11/24/25. Please let me know if there are any questions about our product*

*offering and if there is anyone else I should reach out to regarding this project and the use of our product.*

A7 **No substitutions or alternatives will be considered during the bidding process. These can be submitted post-award of the contract for consideration, but bidders should bid the plans and specifications as received.**

Q8 *What is the process is to get a valve Manufacturer approved for the Ohio Valley Tunnel Project 1797 is. J&S Valve is the valve we rep the are an American made company that we would like to quote for this project.*

A8 **No substitutions or alternatives will be considered during the bidding process. These can be submitted post-award of the contract for consideration, but bidders should bid the plans and specifications as received.**

## **F. CHANGES TO CONTRACT DOCUMENTS**

1. Delete the following files that are not part of the Bid Documents from Appendix E – 7.8 CCTV
  - a) Delete “1756 RedZone Contract Pay Items Only.pdf”
  - b) Delete “1756 RedZone Contract.pdf”
  - c) Delete “1756 Technical Specification.pdf”

... APP.E 7.8 CCTV Data Received from ALCOSAN >					Search APP.E 7.8 CCTV Data
			Sort	View	...
					Data
Name	Date modified	Type	Size		
Task 7A - O-14	7/1/2025 2:30 PM	File folder			
Task 7C - O-40	7/1/2025 2:30 PM	File folder			
1756 Conformed Drawings.pdf	6/30/2025 8:08 PM	Adobe Acrobat D...	51,644 KB		
<del>1756 RedZone Contract – Pay Items Only.pdf</del>	<del>6/30/2025 8:08 PM</del>	<del>Adobe Acrobat D...</del>	<del>752 KB</del>		
<del>1756 RedZone Contract.pdf</del>	<del>6/30/2025 8:08 PM</del>	<del>Adobe Acrobat D...</del>	<del>98,071 KB</del>		
<del>1756 Technical Specification.pdf</del>	<del>6/30/2025 8:08 PM</del>	<del>Adobe Acrobat D...</del>	<del>1,304 KB</del>		

**Addendum No. 1**  
**Attachment A**  
**Pre-Bid Meeting Presentation**



# CONTRACT 1797 – OHIO RIVER TUNNEL

## PREBID MEETING AGENDA Tuesday, July 15, 2025, 9:00AM Microsoft Teams Video Conference

*Any information supplied, or answers given, during this presentation is for information only. All bidders must refer to the Contract Documents when compiling their bids.*



# Agenda

1. Introductions / Project Team
2. Prebid Meeting Ground Rules
3. General Project Overview
4. Instructions to Bidders and Contract Document Clarifications
5. Geotechnical Overview
6. Site by Site Overview
7. Permitting and Environmental Overview
8. ALCOSAN Procurement Update – MBE/WBE
9. Questions

# Part 1 – Introductions / Project Team

Name	Company	Role	Title
Kimberly Kennedy, PE	ALCOSAN	Owner	Director of Engineering and Construction
Michael Lichte, PE	ALCOSAN	Owner	Director of Regional Conveyance
Suzanne Thomas	ALCOSAN	Owner	Chief Procurement Officer
Joe Sparbanie, PE	ALCOSAN	Owner	Project Manager
Shawn McWilliams, EIT	ALCOSAN	Owner	Project Manager
Christian Maguire, PEng	Hatch	Construction Manager	Construction Manager
Tom Prusak, PMP, CCM	Hatch	Construction Manager	Project Manager / Deputy Construction Manager
Trent Hughes, PE	AECOM	Construction Manager	Resident Engineer
Zhenqi Cai, PhD, PE	Mott MacDonald	Engineer/Designer	Tunnel and Shafts Senior Vice President
Kathy Chavara, PE	Mott MacDonald	Engineer/Designer	Permitting & Environmental Senior Vice President
Erin L. D. Sibley, PhD, PE	Mott MacDonald	Engineer/Designer	GBR Senior Project Engineer - Tunnels

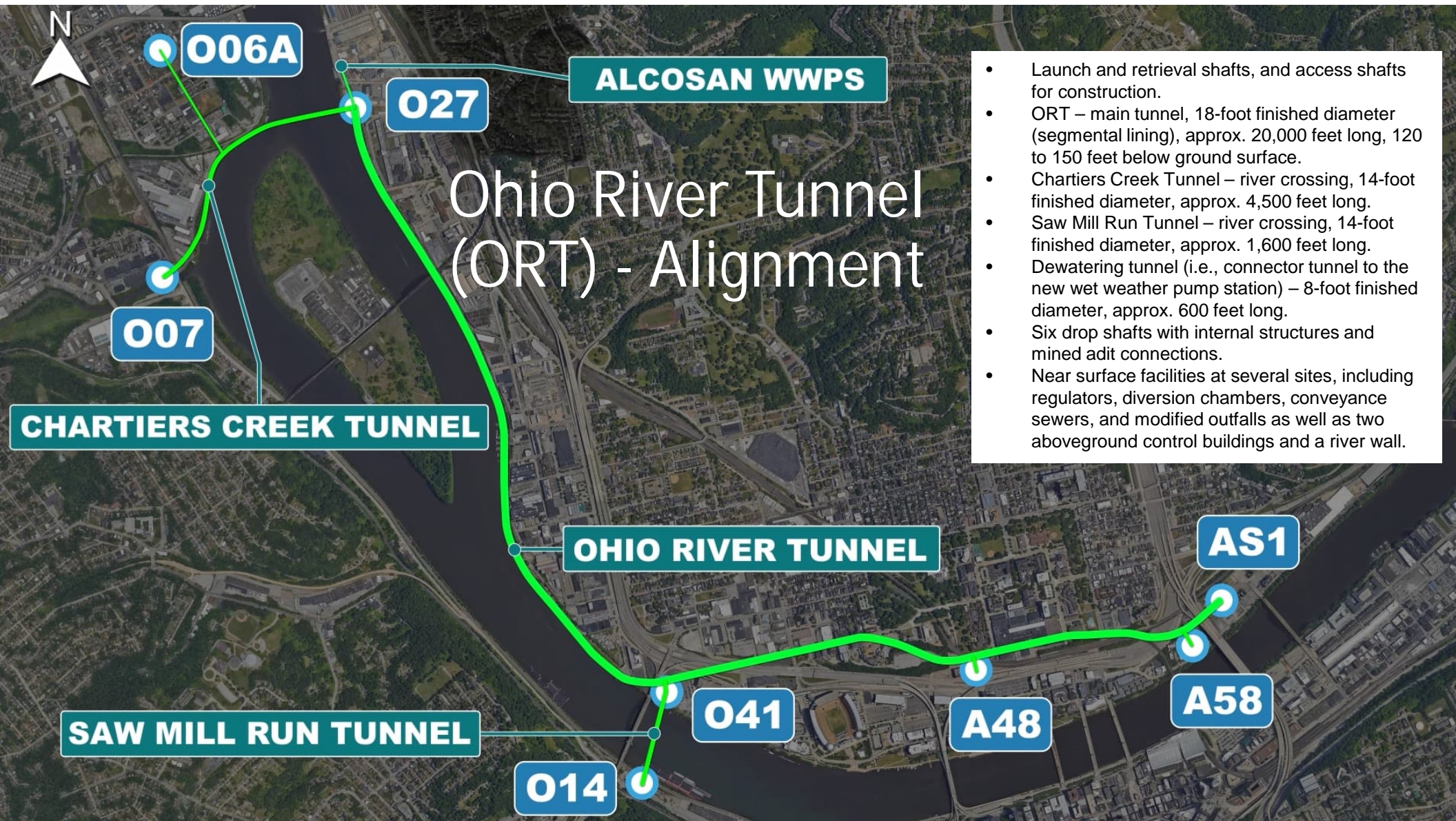
## Part 2 - Prebid Meeting Ground Rules

- 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 clarification 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 [ORT.bids@alcosan.org](mailto:ORT.bids@alcosan.org). Participants that do not supply this information will not be accounted for in the attendee list.
- HOLD Questions until the end to not mix sign-ins with questions. Questions will be limited to Contractors only please. Questions should be typed in the chat stating name, company, phone number, email. We will do our best to answer if possible, however, verbal answers to questions are not contractual. Only written questions submitted through the QUESTIONS/RFIs process via email to [ORT.bids@alcosan.org](mailto:ORT.bids@alcosan.org) will be considered for official replies.

# Part 3 – General Project Overview







- Launch and retrieval shafts, and access shafts for construction.
- ORT – main tunnel, 18-foot finished diameter (segmental lining), approx. 20,000 feet long, 120 to 150 feet below ground surface.
- Chartiers Creek Tunnel – river crossing, 14-foot finished diameter, approx. 4,500 feet long.
- Saw Mill Run Tunnel – river crossing, 14-foot finished diameter, approx. 1,600 feet long.
- Dewatering tunnel (i.e., connector tunnel to the new wet weather pump station) – 8-foot finished diameter, approx. 600 feet long.
- Six drop shafts with internal structures and mined adit connections.
- Near surface facilities at several sites, including regulators, diversion chambers, conveyance sewers, and modified outfalls as well as two aboveground control buildings and a river wall.



virtual fly-thru - not active with PDF



# Part 4 – Instructions to Bidders and Contract Document Clarifications





# ARTICLE 1 – BIDDING DOCUMENTS

The bidding documents consist of:

- LEGAL NOTICE
- ARTICLE 1 - BIDDING DOCUMENTS
- ARTICLE 2 - INFORMATION FOR BIDDERS
- ARTICLE 3 - GENERAL CONTRACT CONDITIONS
- ARTICLE 3SC - SUPPLEMENTAL CONTRACT CONDITIONS
- ARTICLE 4 - CONTRACT AGREEMENT
- ARTICLE 5 - BONDS, CERTIFICATES AND STATEMENTS
- ARTICLE 6 - PREVAILING MINIMUM WAGE PREDETERMINATION
- APPENDIX A - TECHNICAL SPECIFICATIONS
- APPENDIX B - CONTRACT DRAWINGS
- APPENDIX C - GEOTECHNICAL BASELINE REPORT
- APPENDIX D - GEOTECHNICAL DATA REPORT

# ARTICLE 1 – BIDDER QUALIFICATIONS

The below items are a selection – please refer to “ARTICLE 1 Bidding Documents” for full details.

- No scoring will be used to assess bidders’ submittals.
- A responsive and responsible bid will be assessed on a pass or fail criteria.
- Subcontractor experience will count towards bidders’ qualifications.
- Please submit an RFI if a bidder has questions regarding the qualifications.

## Schedule A – Projects In Progress

Bidders must list name, location and description of project, owner, architect or engineer, contract price, percent complete and scheduled completion of the comparable construction projects your organization has in progress on this date. Provide name, address, email and telephone number of a reference for each project listed.

## Schedule B - Reference Projects:

The Bidder must demonstrate construction experience in performing the type of work comparable to that in this Contract by submitting experience documentation. Design experience will not be considered acceptable. Construction management for construction work not self-performed, will not be considered acceptable. Construction work not self-performed (e.g., performed by a subcontractor or by previous JV partner) will not be considered acceptable, as confirmed by the project references provided.

# ARTICLE 1 – BIDDER QUALIFICATIONS

## Bidder Experience Summary

Experience	Years	Projects	Minimum Size/Dia
General	15	ORT Comparable	ORT comparable
TBM tunnels	15	3	15
Non-TBM tunnels	15	3	12
Shafts	15	6	30
Near surface	15	4	x

# ARTICLE 1 – BIDDER QUALIFICATIONS

## Schedule C - Personnel

The Bidder must demonstrate construction experience of personnel in performing the type of work comparable to that in this Contract by submitting experience documentation. Design experience will not be considered acceptable.

Position	Supervisory Experience (years)	Tunnel Experience TBM, D&B (Years)	Tunnel type
Project Manager	15	15	Pressurized face TBM. 15ft. D&B 12 ft
General Superintendent	15	15	Pressurized face TBM. 15ft. D&B 12 ft

## Other positions

- Tunnel Superintendent(s) (Per Section 31 71 00 – Tunnel Excavation by Tunnel Boring Machine and Section 31 71 01 – Non TBM Tunnel Excavation).
- Shaft Superintendent(s) (Per Section 31 56 00 – Slurry Wall and Section 31 57 00 – Secant Pile Wall).
- Safety Manager (Per Section 01 35 26 – Safety Provisions).

# ARTICLE 1 – BIDDER QUALIFICATIONS

## Bidders Execution Statement

- *Schedule D – Bidders Execution Statement - To be submitted after the bid, at the owner's request, by the two apparent low bidders within 5 workdays of the owners' request.*

# INFORMATION FOR BIDDERS - ARTICLE 2

Below are selected items from Article 2 Information to Bidders and not all inclusive.

HOW TO OBTAIN DOCUMENTS: Contract documents must be purchased directly from ALCOSAN to qualify as an eligible Bidder. 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. Any questions regarding the Purchase of Contract Documents should be directed to the contract clerk via email to [Contract.clerks@alcosan.org](mailto:Contract.clerks@alcosan.org).

# INFORMATION FOR BIDDERS - ARTICLE 2

SITE VISIT: Mandatory Site Tour for the prime contractors is set for Tuesday, July 22, 2025 for 09:00 A.M., Prevailing Time. ALCOSAN will provide transportation from the meeting point to the locations of the Site Tour [TO BE CONFIRMED].

- Additionally, Bidders shall be required to visit the Owner's core shed located at 2001 Preble Avenue, Pittsburgh, PA, 15233 at least once prior to Bid receipt. The Site Tour visit to the core shed does not satisfy Bidder's requirement to visit the core shed.
- Core shed visits will be by appointment at scheduled times.
- A maximum of 4 representatives per prime contractor/bid team will be allowed.
- Contractors must supply their own PPE – suggest hi vis safety vests.
- A separate email invite will be issued with a detailed itinerary

# INFORMATION FOR BIDDERS - ARTICLE 2

SUBMISSION AND OPENING OF BIDS: Sealed Bids 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, Monday, November 24, 2025, and then shall be Publicly Opened and read.

- 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.
- Allow time to get thru the gate !
- Bid Security shall be furnished by providing the Bid with a Certified Check or Bid Bond in the amount of 10% of the Bid Price.
- Bids shall be submitted on the Bid Form 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.



# INFORMATION FOR BIDDERS - ARTICLE 2

QUESTIONS/RFIs: all technical and commercial questions must be directed to ALCOSAN via email to [ORT.bids@alcosan.org](mailto:ORT.bids@alcosan.org).

RFIs should be in the form of a question with reference numbers to the applicable drawings, specifications and contract section.

RFIs will be answered via Addendum.

# INFORMATION FOR BIDDERS - ARTICLE 2

## ESCROW BID DOCUMENTS:

- Within three (3) days after opening the bids, the two (2) apparent lowest bidders shall comply with the Escrow Bid Document requirements in Article 2.
- The EBDs of the Successful Bidder will be held in escrow for the duration of the Contract and Post-Completion Correction period. EBDs of other Bidders will be returned to the Bidders following the award and execution of the Contract with the Successful Bidder.
- EBDs will not be used for pre-award evaluation of the Contractor's anticipated methods of construction or to assess the Contractor's qualifications for performing the Work.

# INFORMATION FOR BIDDERS - ARTICLE 2

## BASIS OF AWARD:

The SUCCESSFUL BIDDER is the lowest, responsible and responsive Bidder.

## PROJECT STABILIZATION AGREEMENT AND LETTER OF ASSENT

- The Bidder shall, when submitting their bid, acknowledge that it will abide by the Project Stabilization Agreement by signing and submitting a Letter of Assent.
- The successful Bidder/Contractor shall receive a copy of the Project Stabilization Agreement for execution.

## DISPUTE REVIEW BOARD

- The Contract Documents provide for the establishment of a Dispute Review Board (DRB) per Article 3SC. The DRB will assist in the resolution of disputes, claims, and controversies between the Owner and the Contractor by providing written recommendations regarding the disputes. The cost of the DRB process shall be shared equally between the Owner and the Contractor. An allowance for the Owner's estimated share of the cost of the DRB is included in the Bid Form.

# SCHEDULE AND CONTRACT TIME

- Bids Due – November 24<sup>th</sup>, 2025.
- Bid Award – January 2026
- NTP – Approximately end of Q1 2026
- Interim Milestone #1 – Demobilize AS1 Site - 1,634 days From Notice to Proceed
- Substantial Completion of Contract 1797 - 2,043days From Notice to Proceed
- Final Completion of Contract 1797 - 2,162 days From Notice to Proceed
- Liquidated Damages - Article 3, Section 3.29

# CONSTRAINTS OVERVIEW

WORK HOURS - See Construction and Schedule Constraints Specification 01 32 13.

- Tunneling direction constraints:
  - For the ORT, the TBM shall be launched from shaft ORT-AS1, mining downgrade to shaft ORT-O27-DS.
  - For the CCT, the TBM shall be launched from shaft ORT-O27-DS, mining upgrade to shaft CCT-O07-AS.
  - For the SMRT, excavation by drill and blast shall be launched from shaft SMRT-O41-DS, mining upgrade to shaft SMRT-O14-DS.
  - For the DWT, excavation by drill and blast shall be launched from shaft ORT-O27- DS
  - WWPS to be completed under separate contract.
- WWPS INTERFACE - ORT contractor will be responsible for WWPS break-in, final transition and lining.

# ELECTRICAL POWER SCOPE CLARIFICATIONS

- ALCOSAN is providing power from Duquesne Light Company (DLC).
- The projected in-service date for construction power (1000kVA, 480 volt 3-phase) at sites O41, A48, A58, AS1, O14, O07 and O06A can be found in the specification 01 64 00 Owner – Furnished Equipment.
- The Owner has procured two TBM power transformers and equipment under its Contract 1790 to supply power for Contractor use.

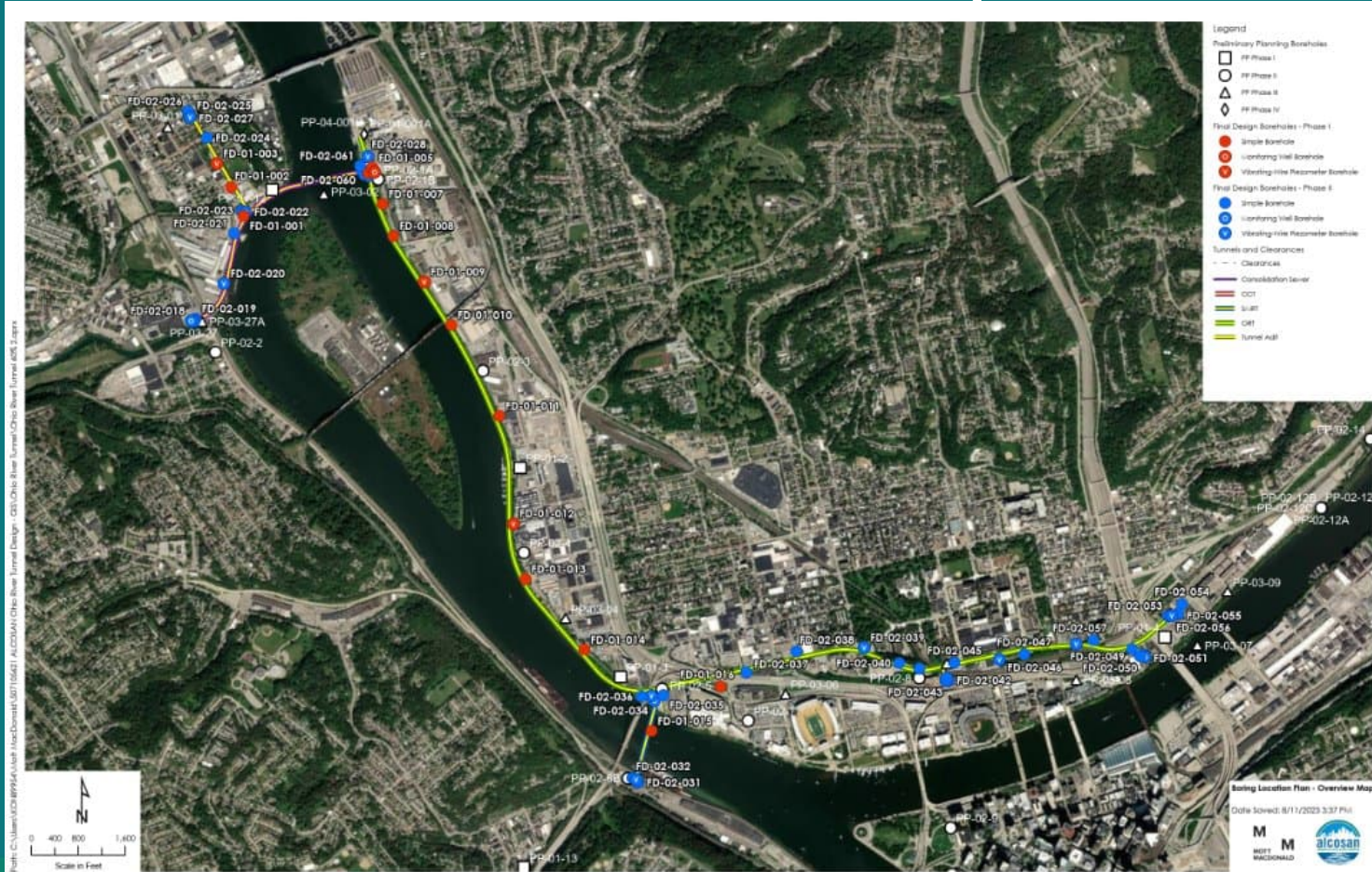
# Part 5 - Geotechnical Overview





# Overview and Geotechnical Data Report

- Geotechnical Data Report (Contract Document Appendix D) includes historical data, Preliminary Planning data, and ORT Final Design data.
- GDR includes (among other data):
  - Well study information and rock outcrop mapping
  - Borehole logs
  - Geophysical testing
  - Packer testing and slug testing
  - Soil and rock laboratory testing
  - Groundwater data from observation wells and piezometers
  - Corrosivity testing
  - Material management due diligence testing on rock (ABA, total metals, TCLP)





# Geotechnical Baseline Report

- The Geotechnical Baseline Report (Contract Document Appendix C) describes the subsurface conditions and ground behavior anticipated to be encountered during construction of the Project.
- The GBR takes precedence over the GDR
- The GBR is based on:
  1. Results of site and lab investigations presented in the GDR,
  2. Difficulties encountered during relevant construction projects,
  3. Provisional baselines that address shortcomings in the available data, and
  4. Engineering judgement

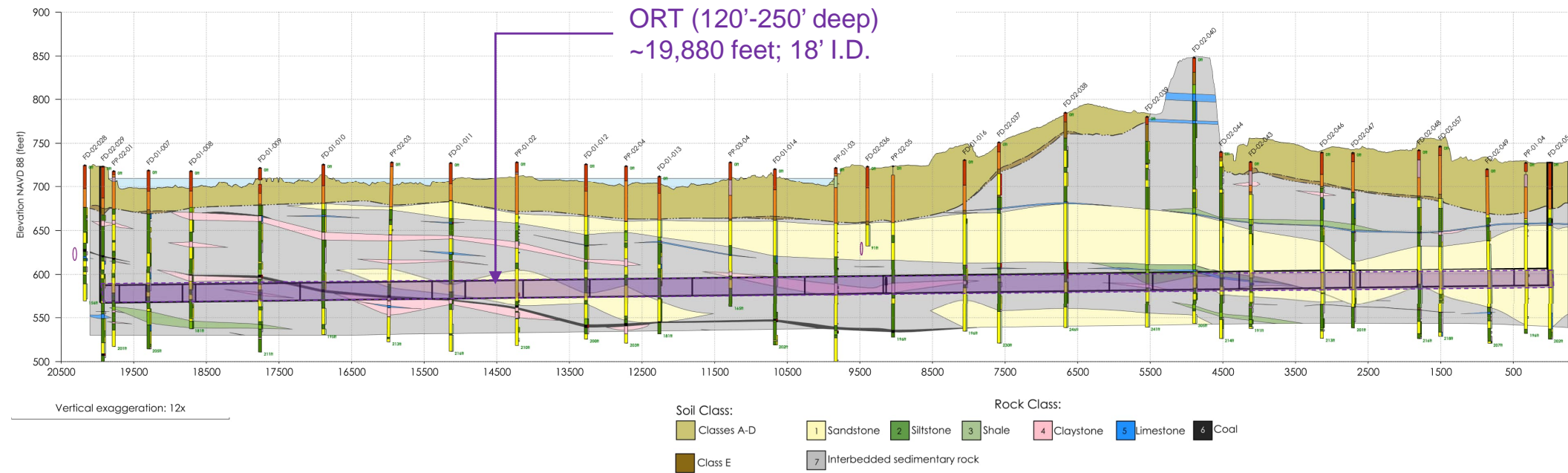
# GBR and Ground Characterization

- Overburden Soils: Mostly granular and permeable fill as well as native soils
  - Characterized as 5 soil classes
- Bedrock and Bedrock Stratigraphy
  - Characterized as 7 rock classes
  - Class 7 is interbedded sedimentary rock, defined by proportions of the other rock classes.
- Interpreted stratigraphic profiles are provided in the GBR
- ORT will be constructed at depths of approximately 160 feet bgs with 4-6 bars of hydrostatic pressure.

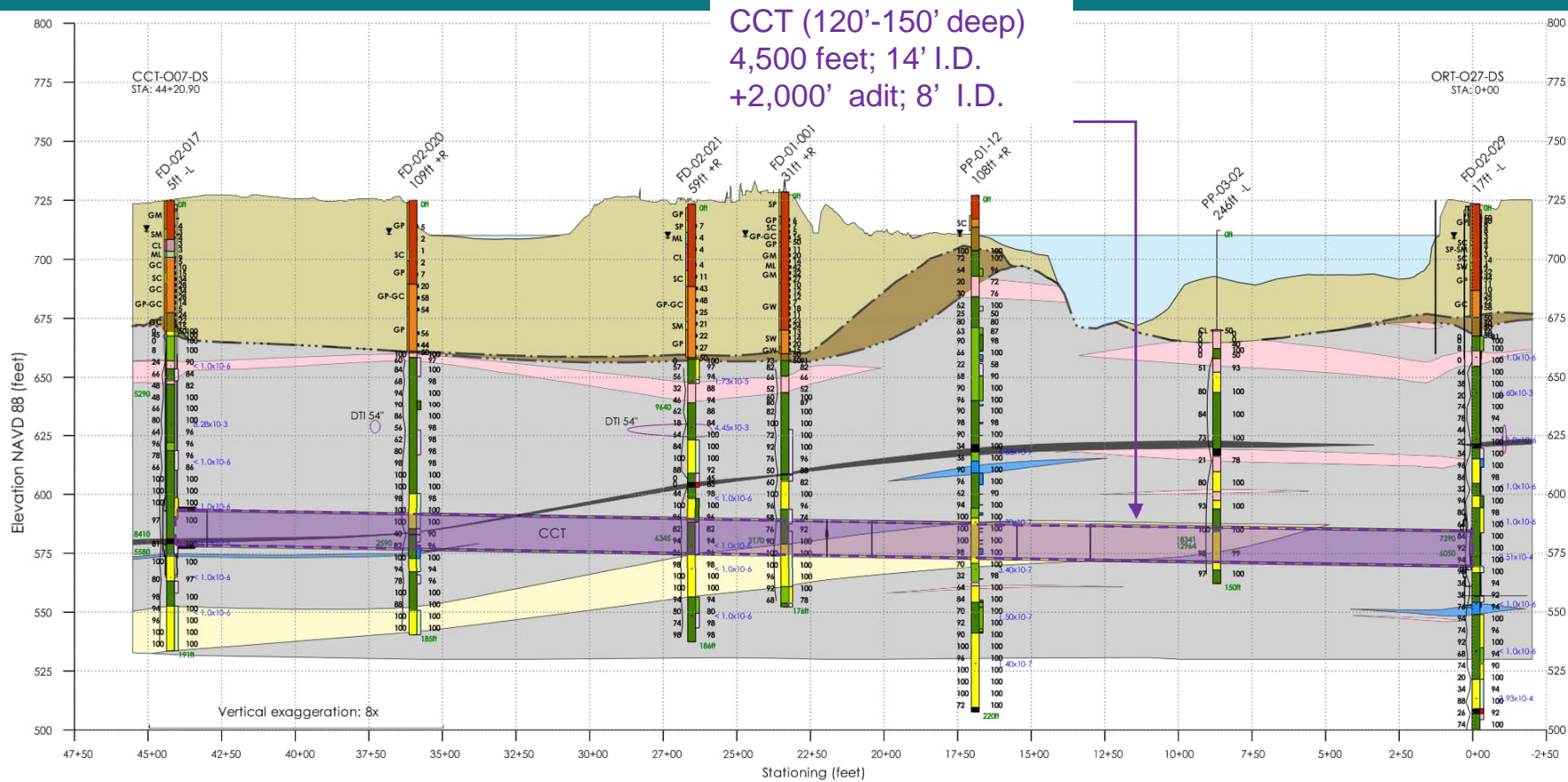
Class A		Fill
Class B		Coarse Grained Materials
Class C		Silt Materials with Little to No Plasticity
Class D		Plastic Silt and Clay
Class E		Residual Soil

Class 1		Sandstone
Class 2		Siltstone
Class 3		Shale
Class 4		Claystone
Class 5		Limestone
Class 6		Coal
Class 7		Interbedded Sedimentary Rock

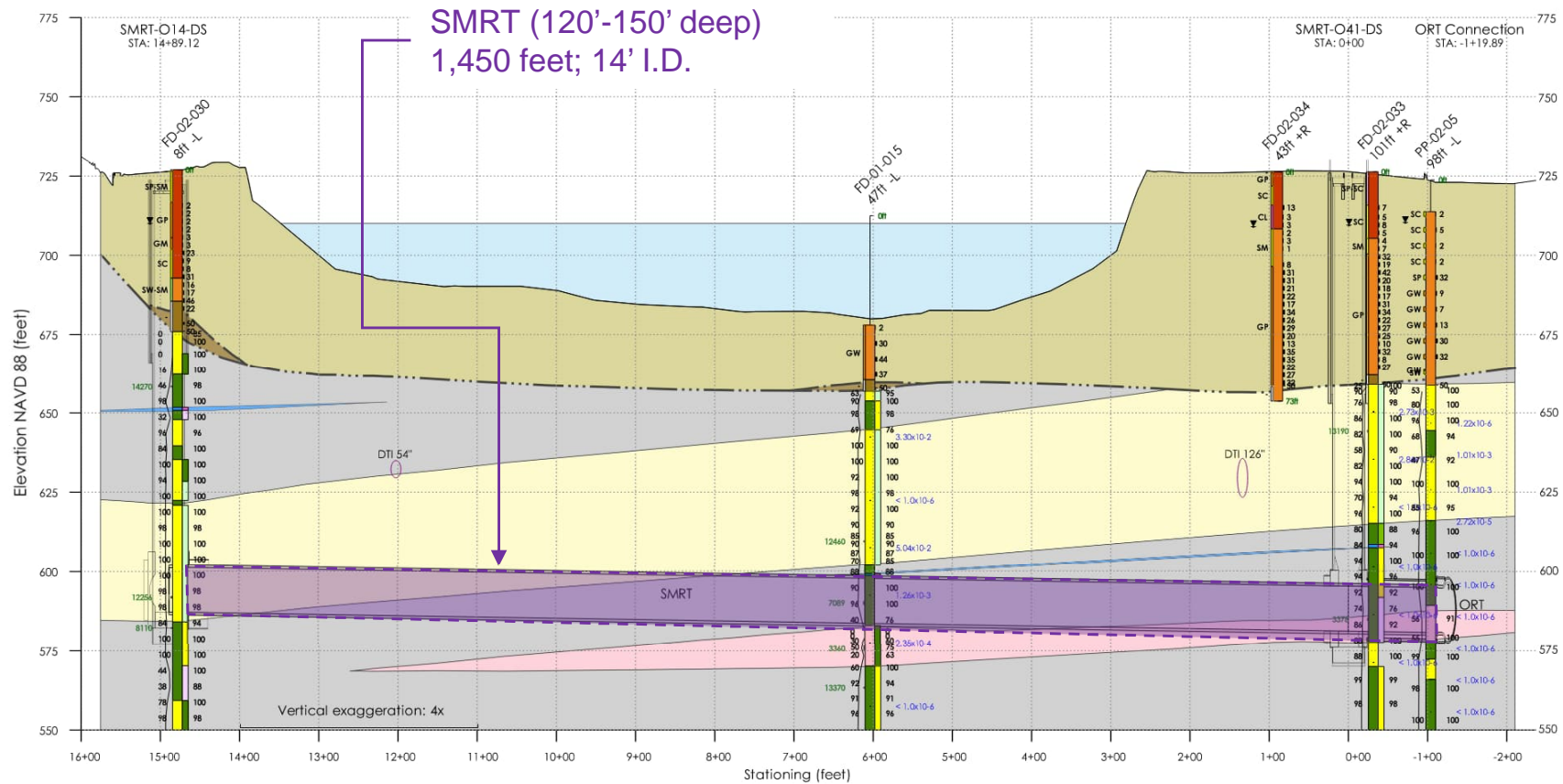
# Ohio River Tunnel (ORT) - Profile



# Chartiers Creek Tunnel (CCT) - Profile



# Saw Mill Run Tunnel (SMRT) - Profile

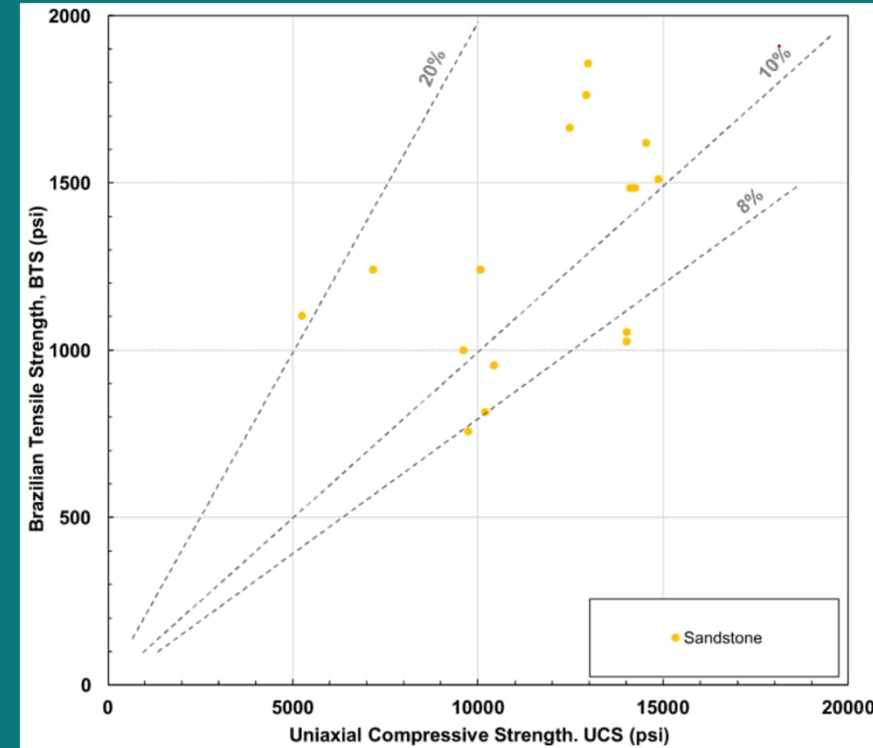
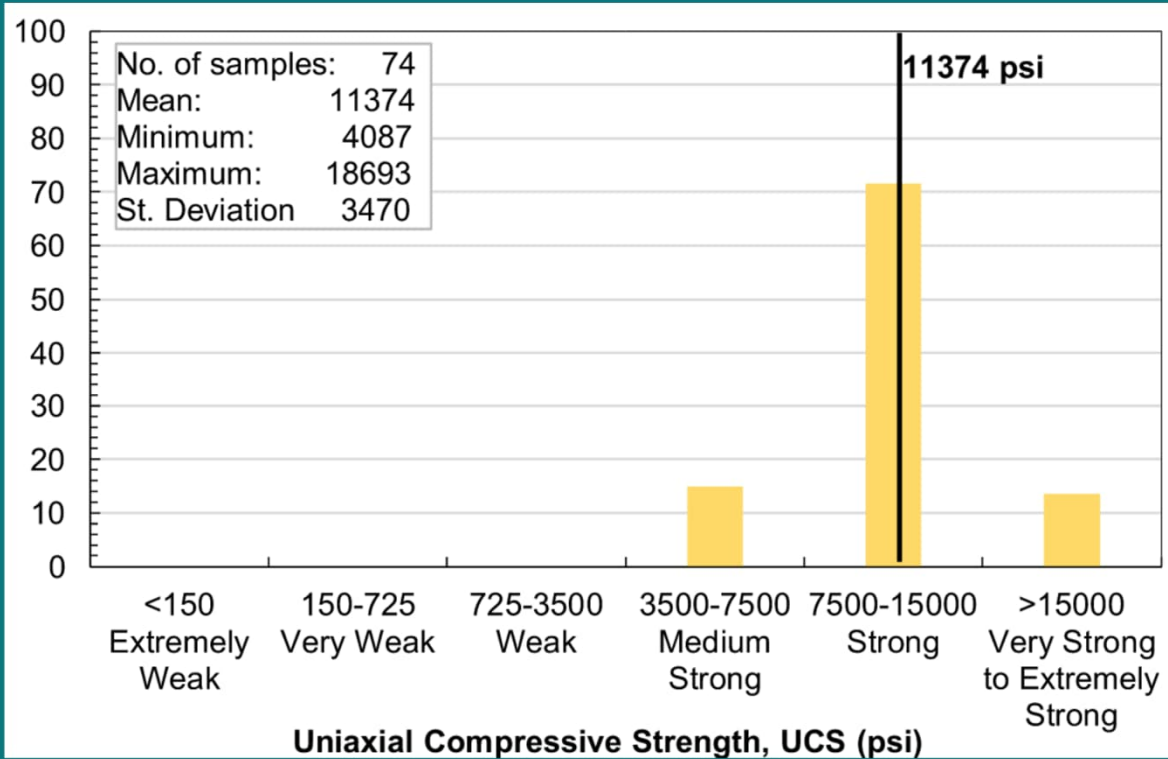




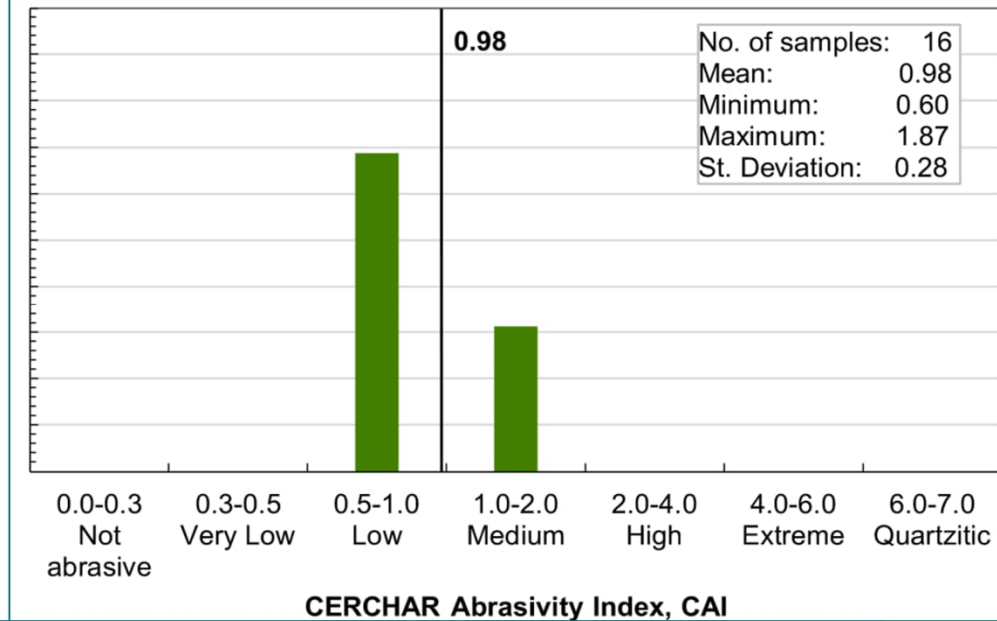
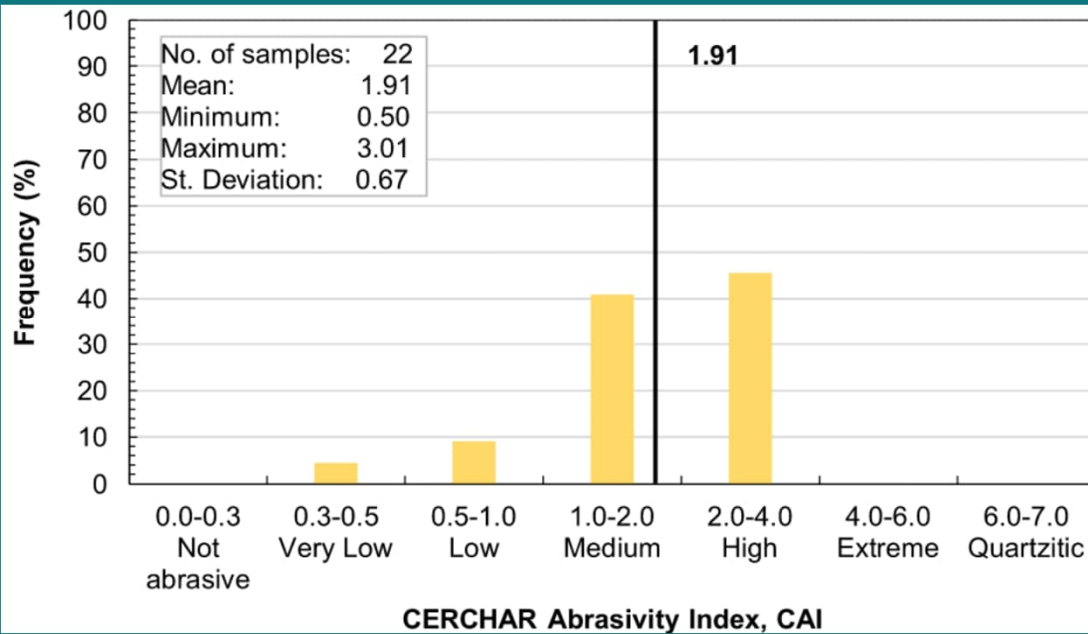
# Ground Characterization, cont.

- Baseline soil and rock properties are defined in the Geotechnical Baseline Report for Soil Class A through E and Rock Class 1 through 6.
- Ground characterization in GBR includes (but is not limited to):
  - Groundwater elevations and hydrogeologic conditions
  - Cobbles, boulders, and obstructions
  - Intact rock properties such as UCS, abrasivity, clogging potential, etc.
  - In situ stress history
  - Rock mass parameters such as RQD, discontinuity and structural orientation
  - Gas
  - Rock characteristics that pertain to management of excavated material (i.e. acid base accounting, total metals)
  - ORT will be constructed at depths of approximately 160 feet bgs with 5 bars of hydrostatic pressure.

# Intact Rock Properties – UCS, BTS

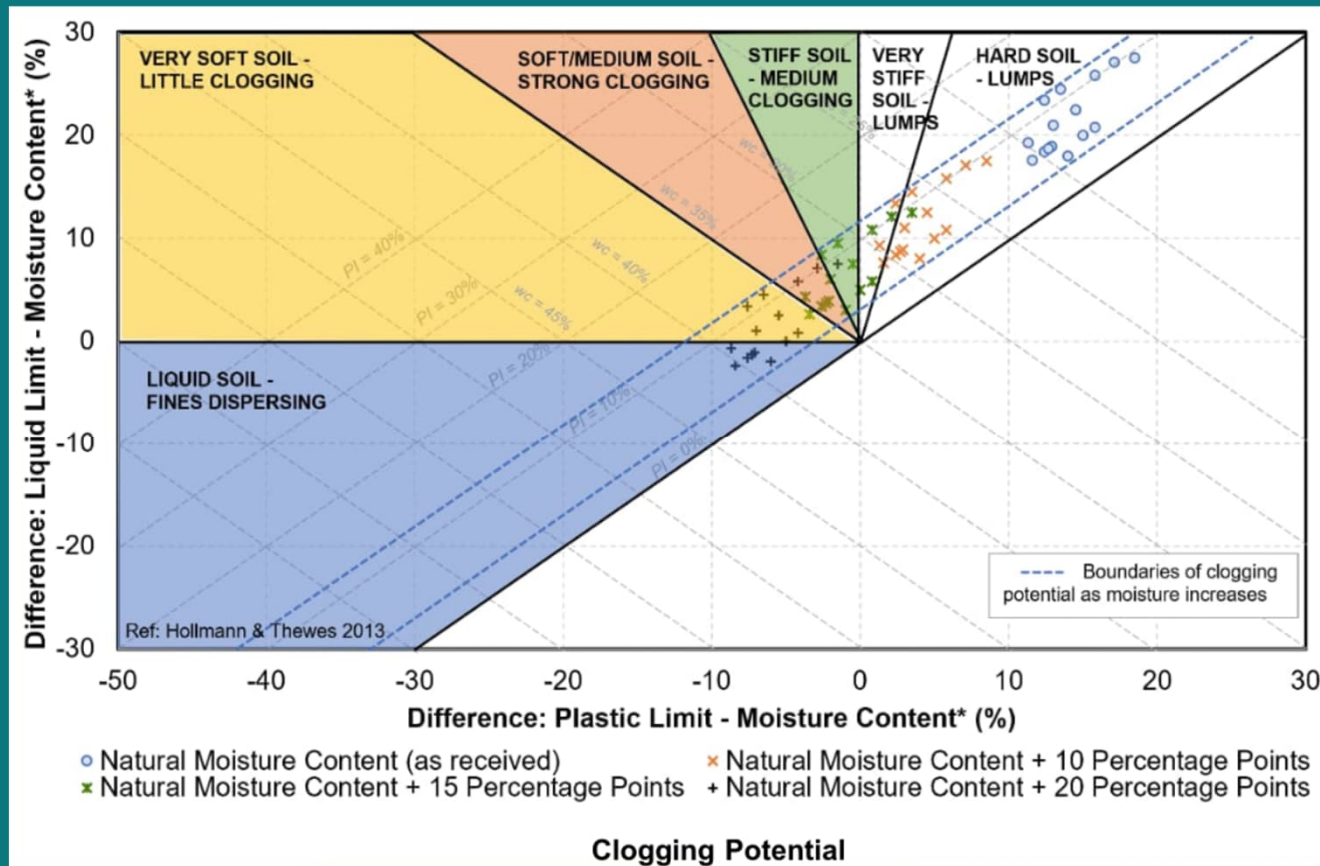


# Intact Rock Properties – CERCHAR Abrasivity





# Intact Rock Properties – Clogging Potential



# Rock and Management of Excavated Material

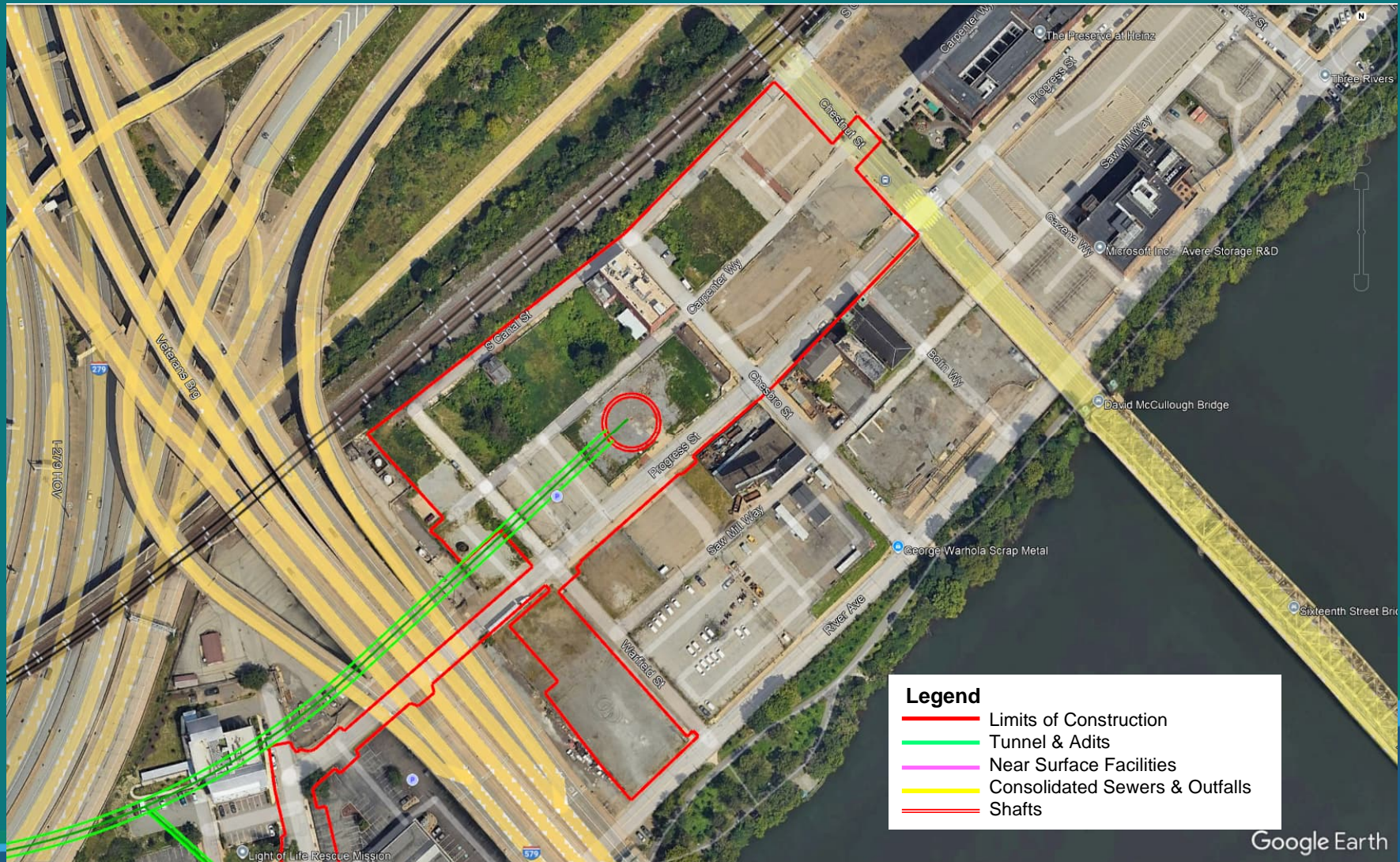
- An extensive suite of due diligence testing was performed rock samples, including Acid-Base Accounting (ABA), Total Metals, and TCLP testing.
- Data is included in the GDR and baseline conditions discussed in the GBR
- Testing confirms that rocks with coal, pyritic coal, carbonaceous shale, and carbonaceous material are capable of producing acidity depending on concentration of iron sulfides present in the intact rock.
- Management and disposal of material that is classified as “Acid Producing Rock/Potentially APR” will require disposal according to NPDES requirements and other permit conditions.
- Residual /regulated fill and clean fill are paid by unit price.

# Part 6 - ORT Site-by-Site

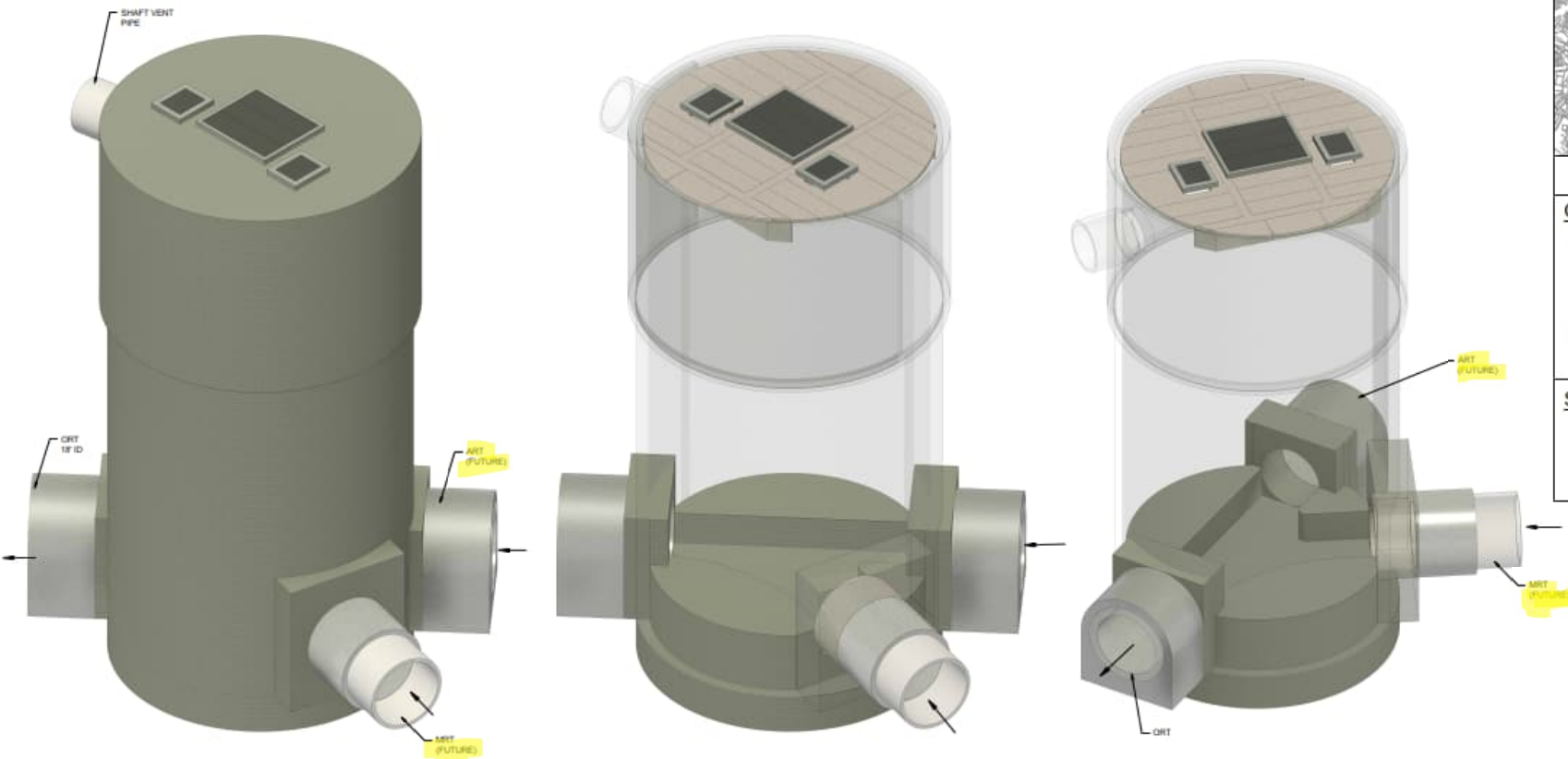




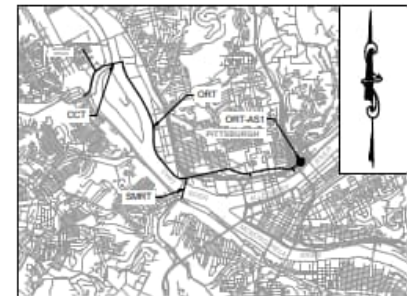
## AS1 Site – ORT TBM Launch Site / Access Shaft



## AS1 Site – ORT TBM Launch Site / Access Shaft



**3D VIEW AS1**  
SCALE: NTS



KEY MAP  
SCALE 1"=5000'

### GENERAL SHEET NOTES:

1. 3D VIEWS ARE SCHEMATIC AND ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT OF THE FINAL STRUCTURES AT THE SITE. REFER TO THE APPROPRIATE PLANS, SECTIONS, AND DETAILS OF EACH STRUCTURE FOR DIMENSIONS AND GEOMETRIC RELATIONSHIPS OF THE VARIOUS STRUCTURAL COMPONENTS.
2. SUPPORT OF EXCAVATION (SOE) IS NOT SHOWN IN THE 3D VIEWS.
3. AT ORT-AS1 SHAFT: ART, MRT, SHAFT CAP AND FLOW CHANNELS WITHIN THE SHAFT WILL BE COMPLETED UNDER A SEPARATE CONTRACT.

### SHEET LEGEND:

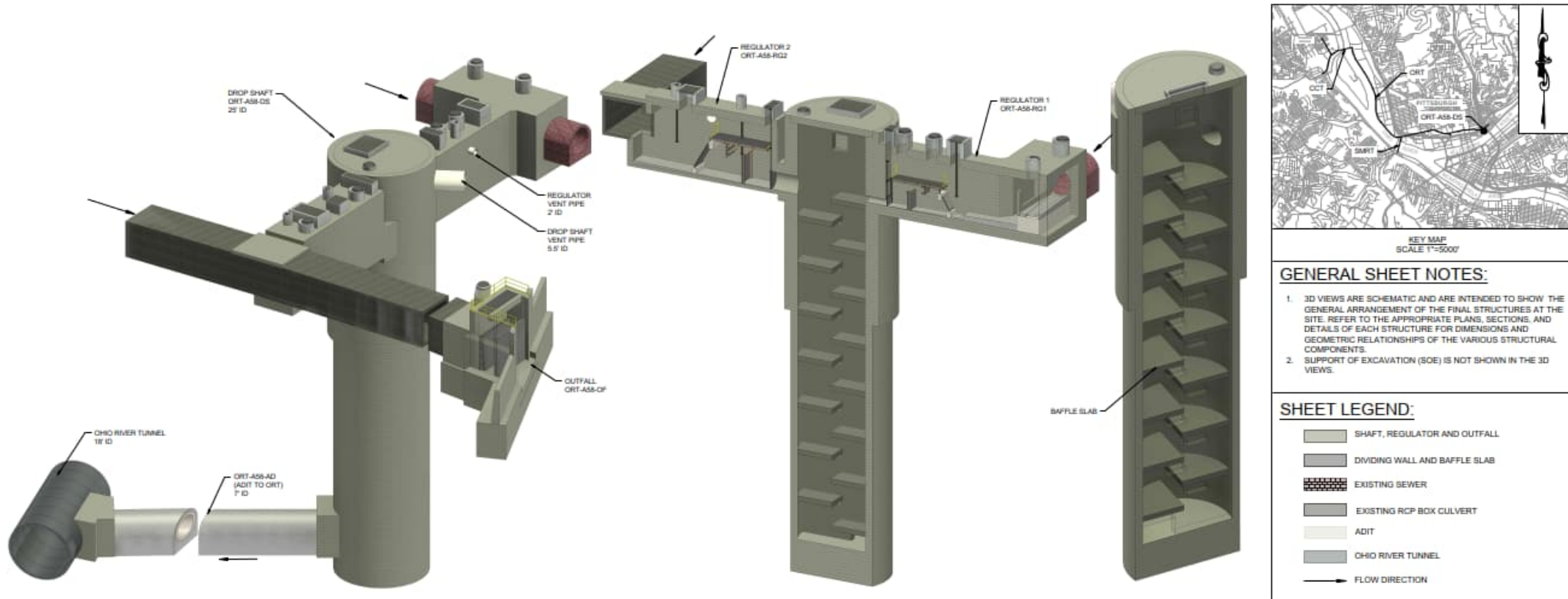
- ART - ALLEGHENY RIVER TUNNEL  
 ORT - OHIO RIVER TUNNEL  
 MRT - MONONGAHELA RIVER TUNNEL  
 → FLOW DIRECTION



## A58 Site – Drop Shaft, Adit, Regulators (RG1 / RG2), Control Building, and Outfall



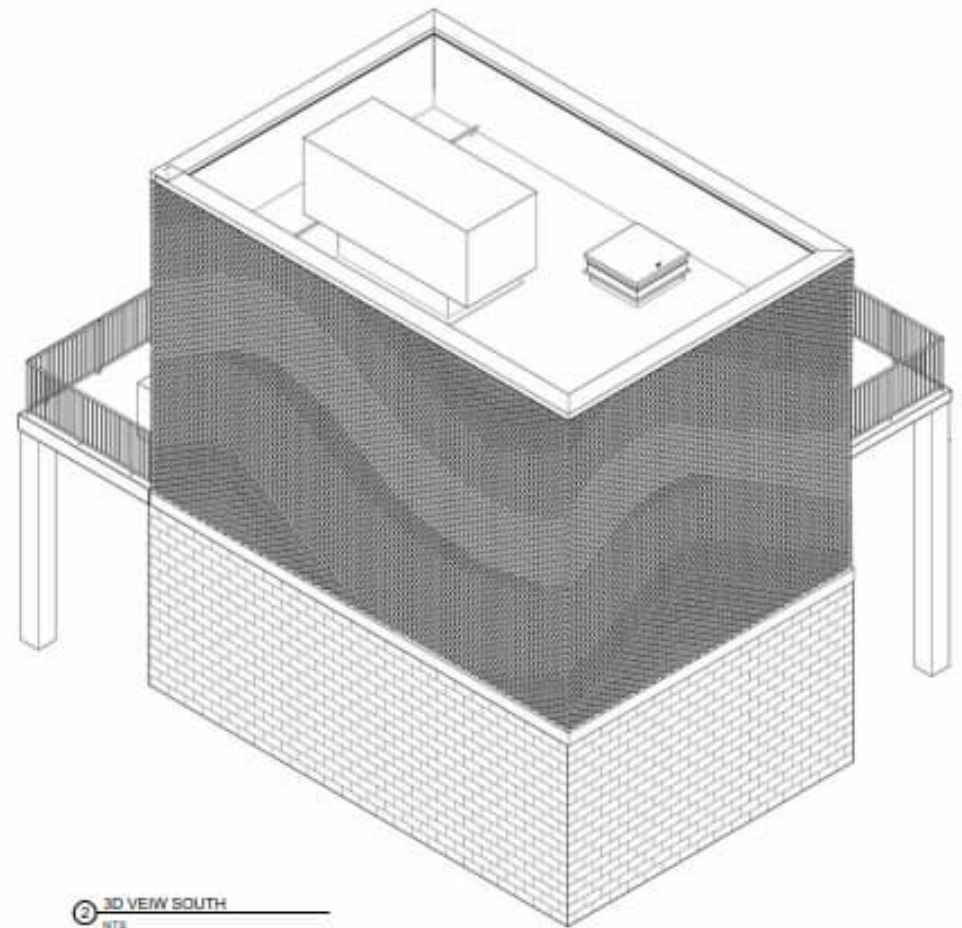
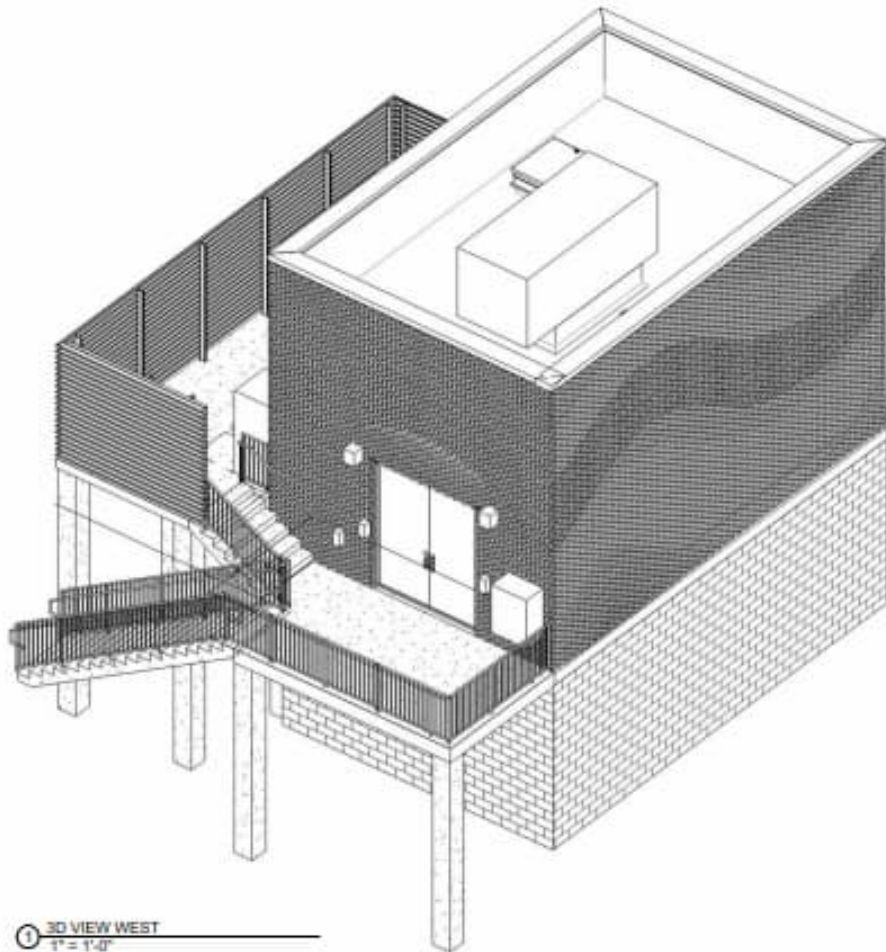
## A58 Site – Drop Shaft, Adit, Regulators (RG1 / RG2), Control Building, and Outfall



3D VIEWS OF A58 DROP SHAFT, REGULATORS AND OUTFALL  
SCALE: NTS

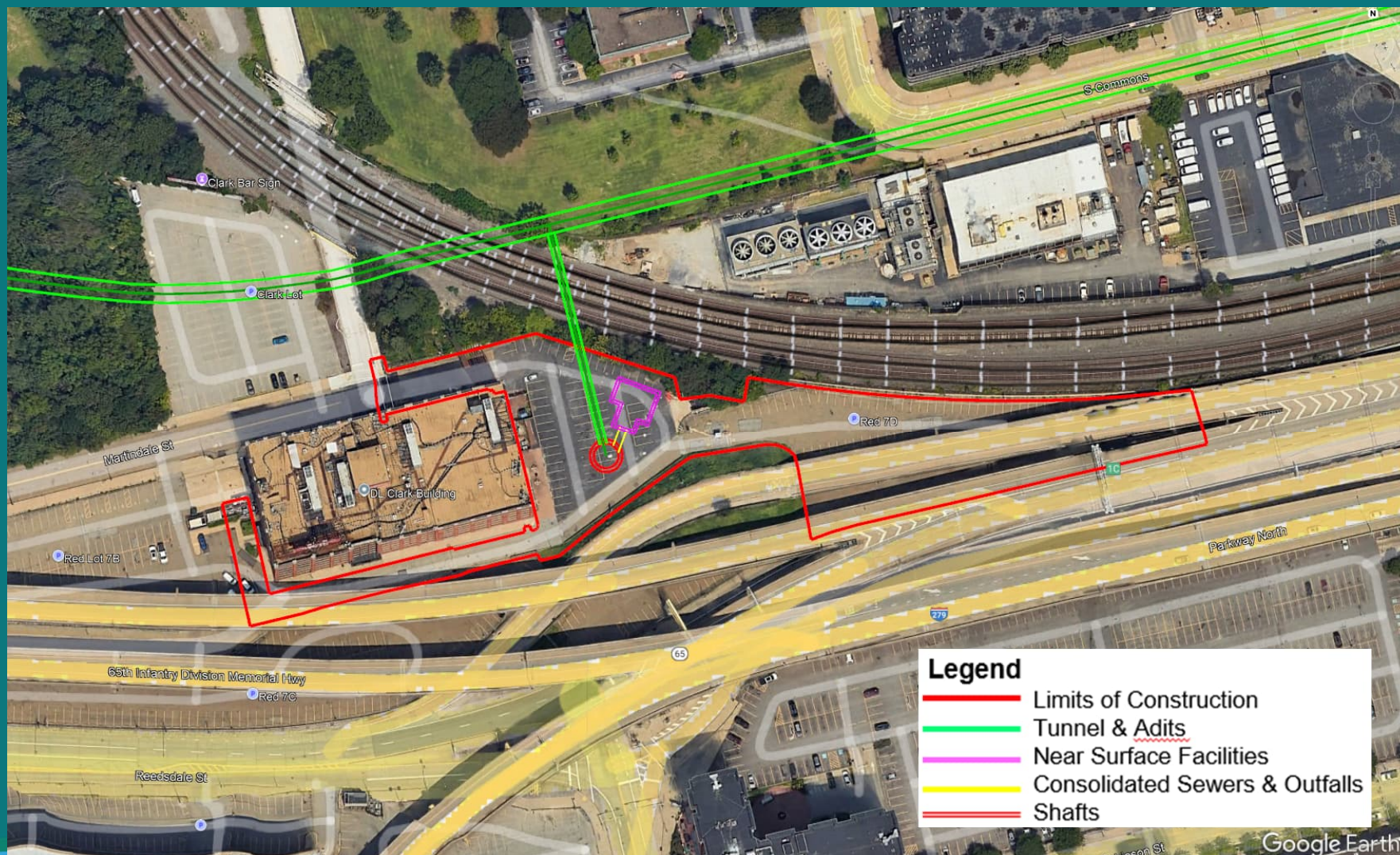


A58 Site – Drop Shaft, Adit, Regulators (RG1 / RG2), Control Building, and Outfall

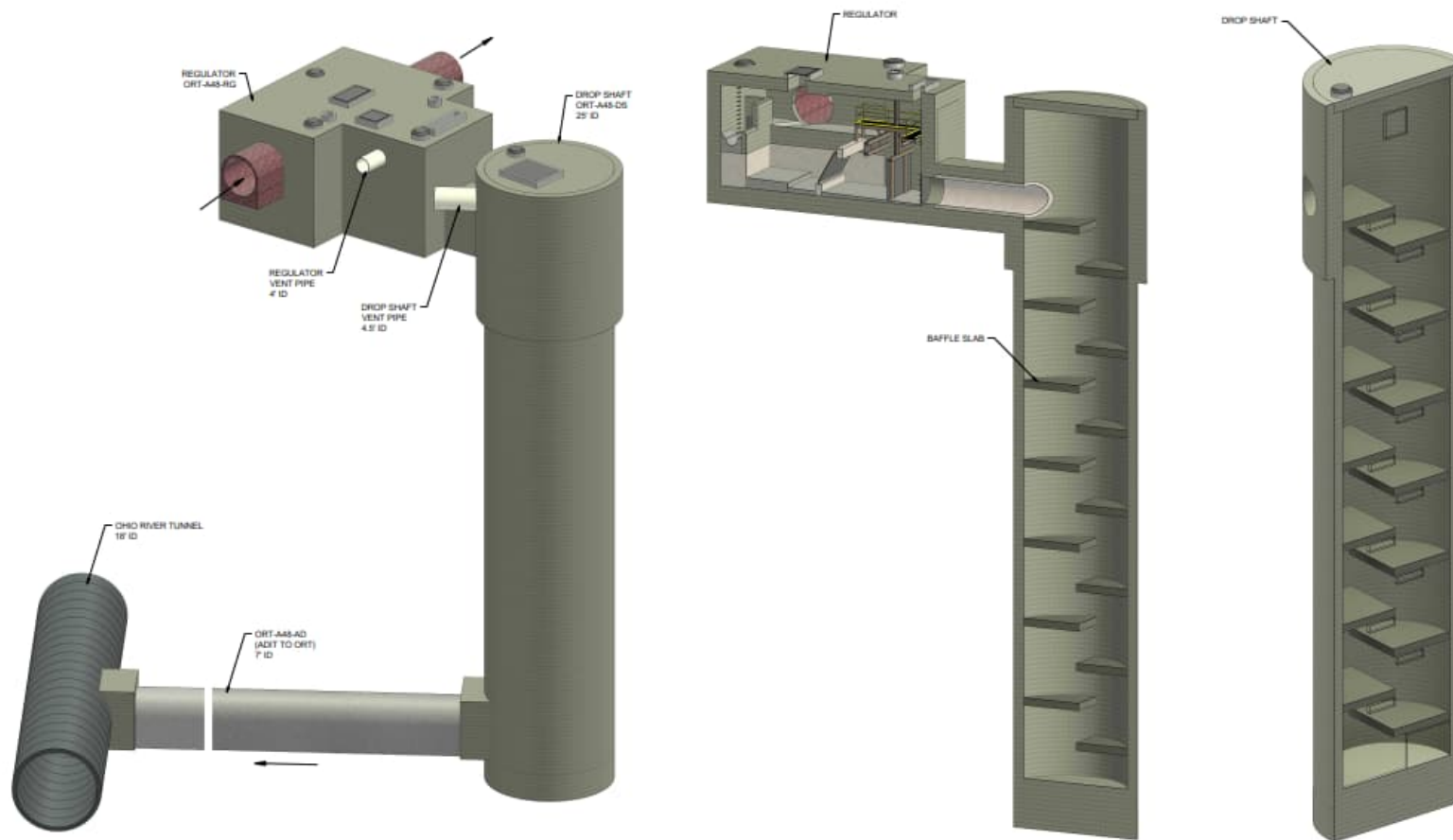




## A48 Site – Drop Shaft, Adit, and Regulator

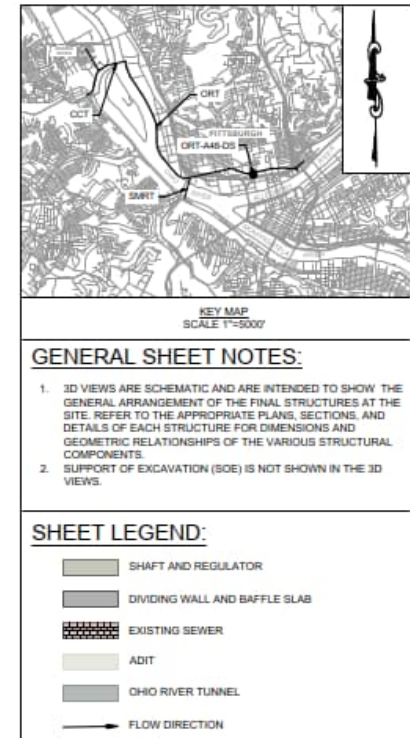


## A48 Site – Drop Shaft, Adit, and Regulator



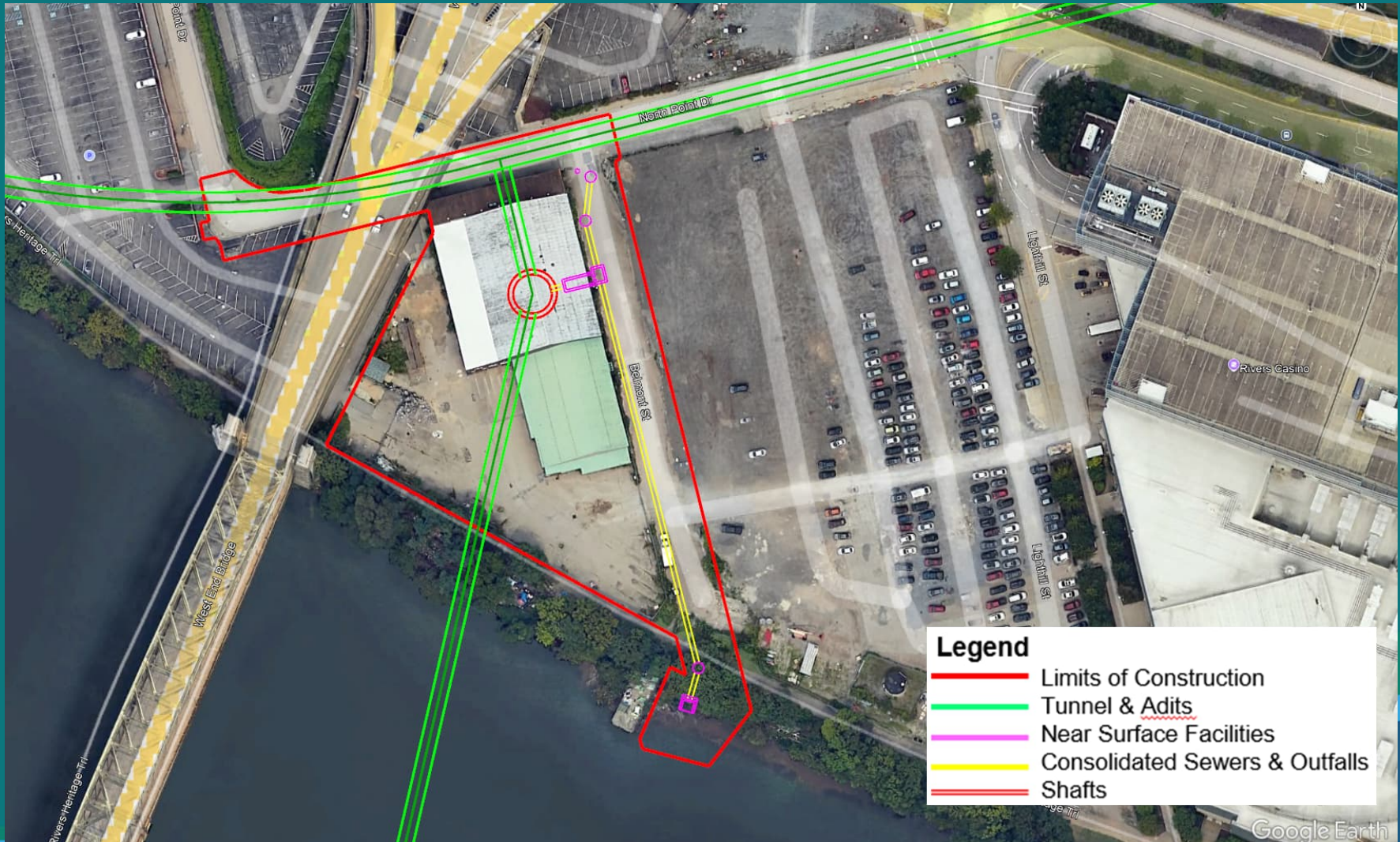
3D VIEWS OF A48 DROP SHAFT & REGULATOR

SCALE: NTS





## O41 Site – Drop Shaft, Adit, Regulator and Outfall



## O41 Site – Drop Shaft, Adit, Regulator and Outfall



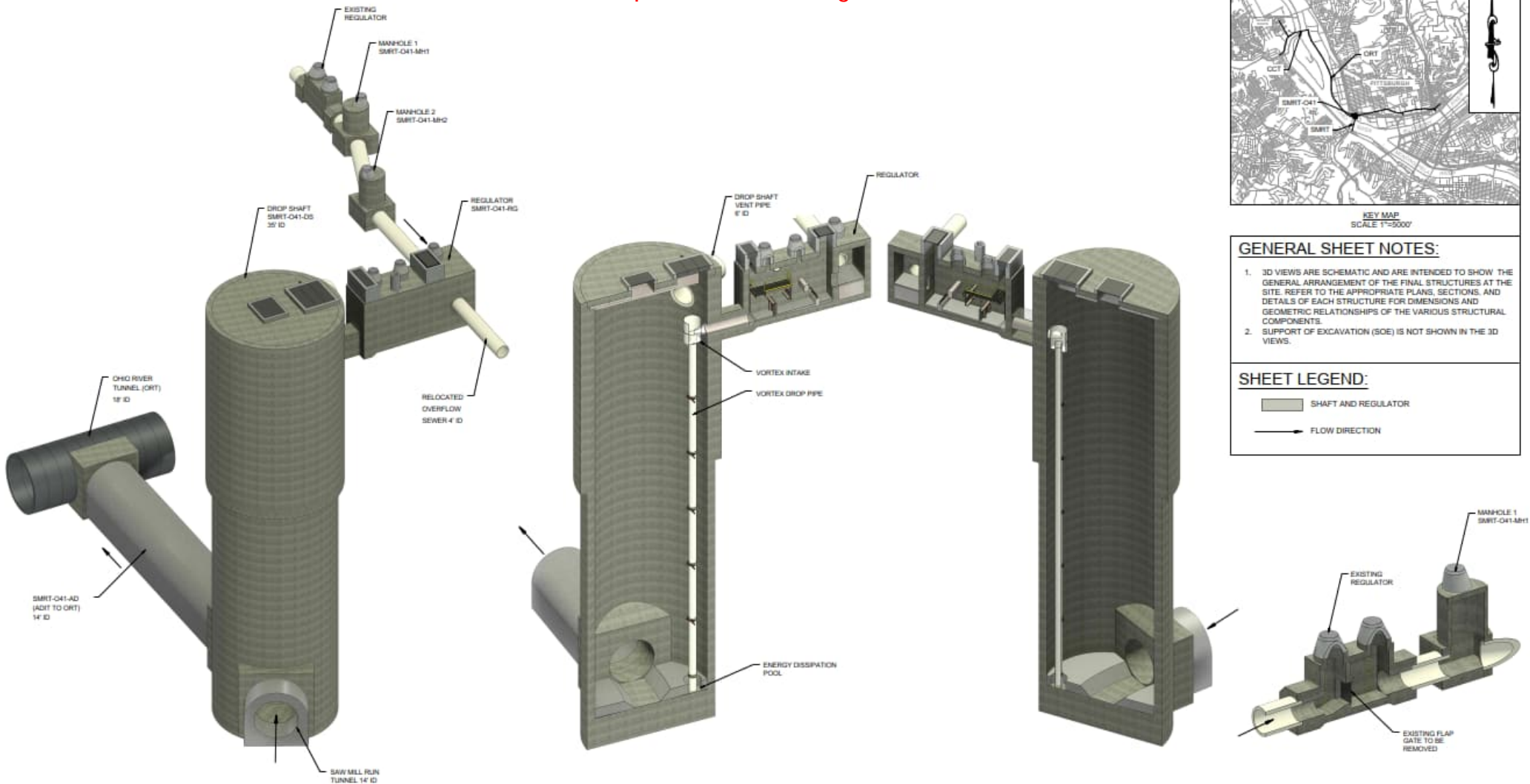
KEY MAP  
SCALE 1"=5000'

### GENERAL SHEET NOTES:

1. 3D VIEWS ARE SCHEMATIC AND ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT OF THE FINAL STRUCTURES AT THE SITE. REFER TO THE APPROPRIATE PLANS, SECTIONS, AND DETAILS OF EACH STRUCTURE FOR DIMENSIONS AND GEOMETRIC RELATIONSHIPS OF THE VARIOUS STRUCTURAL COMPONENTS.
2. SUPPORT OF EXCAVATION (SOE) IS NOT SHOWN IN THE 3D VIEWS.

### SHEET LEGEND:

- SHAFT AND REGULATOR
- FLOW DIRECTION



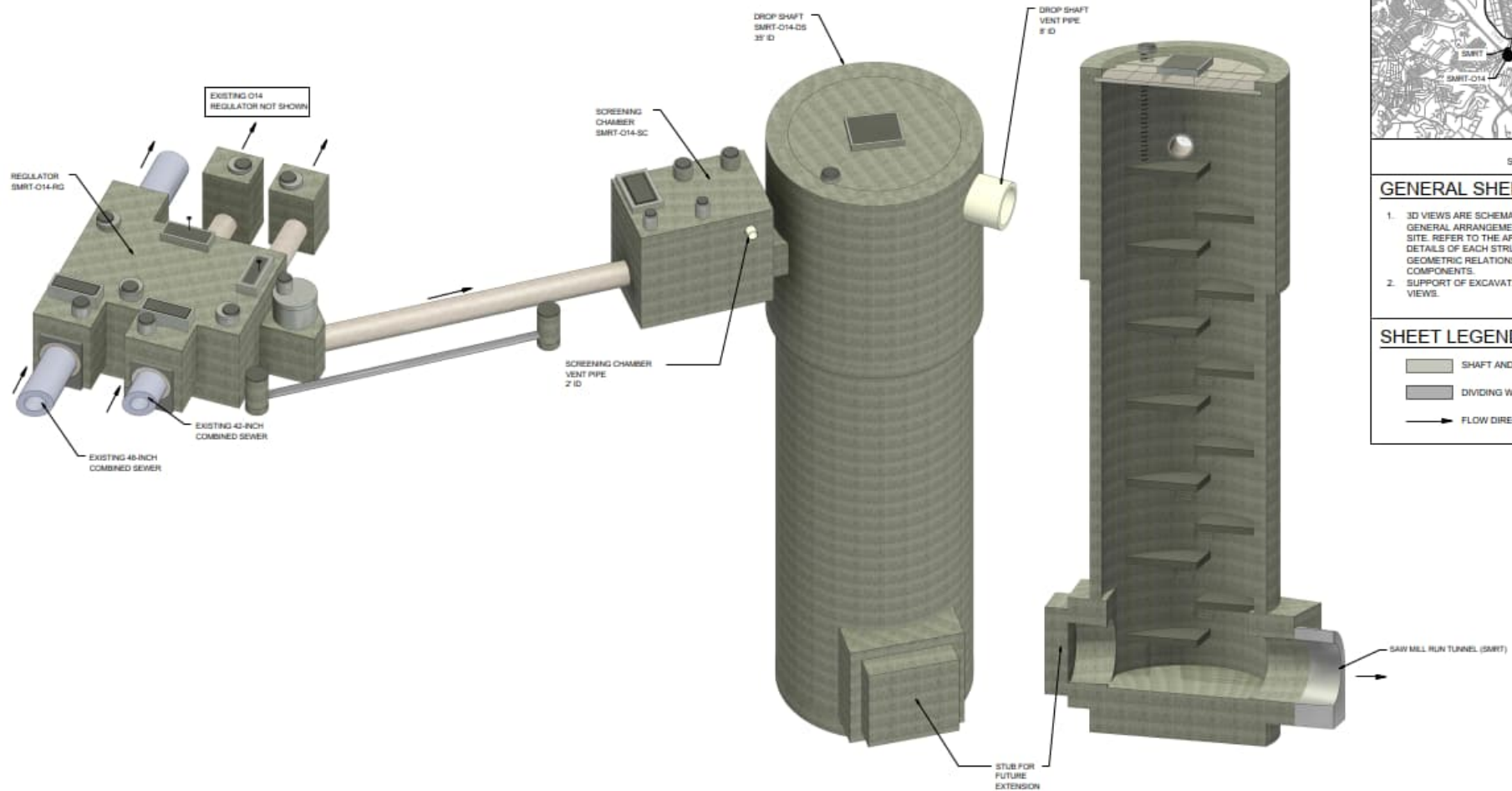
3D VIEW OF O41 DROP SHAFT & REGULATOR



## O14 Site – Drop Shaft, Regulator and Screen Chamber

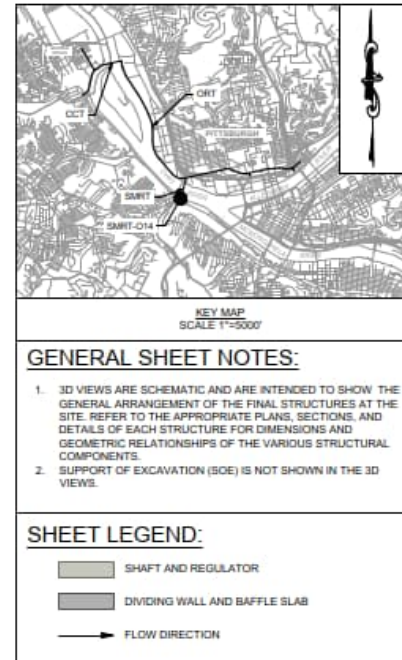


## O14 Site – Drop Shaft, Regulator and Screen Chamber



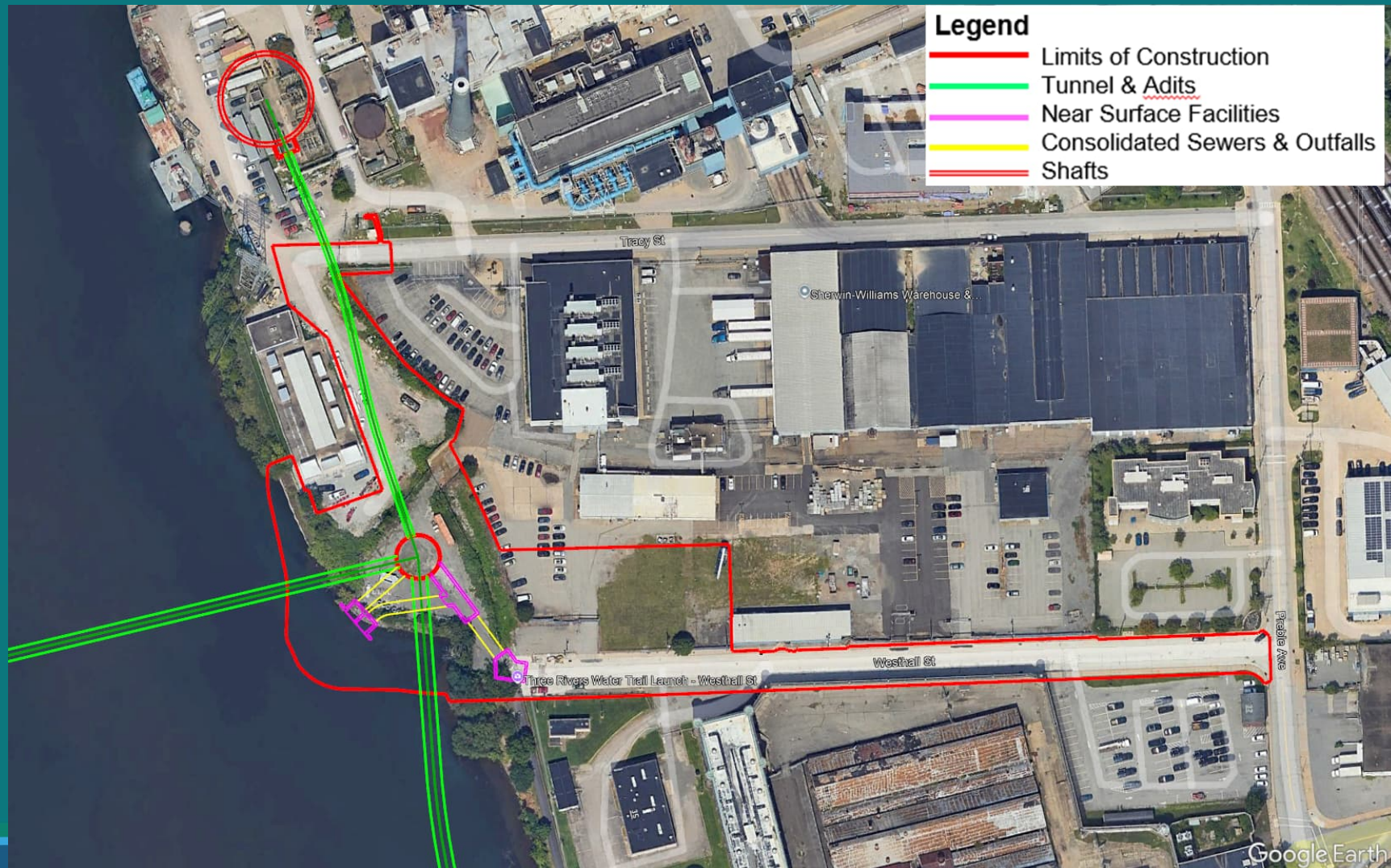
OVERALL 3D VIEW OF O14 DROP SHAFT, SCREENING CHAMBER AND REGULATOR

SCALE: NTS

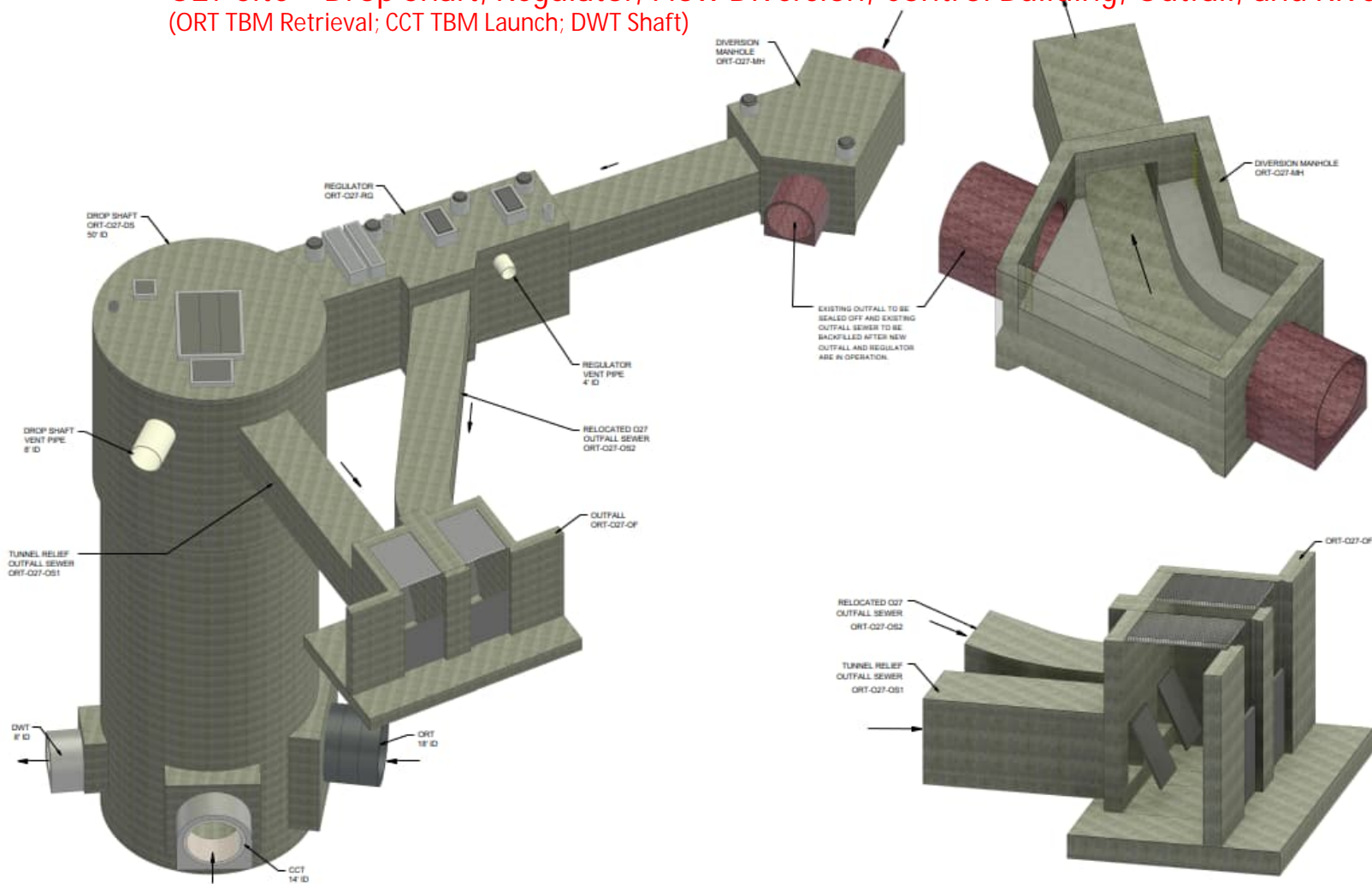




## O27 Site – Drop Shaft, Regulator, Flow Diversion, Control Building, Outfall, and River Wall (ORT TBM Retrieval; CCT TBM Launch; DWT Shaft)



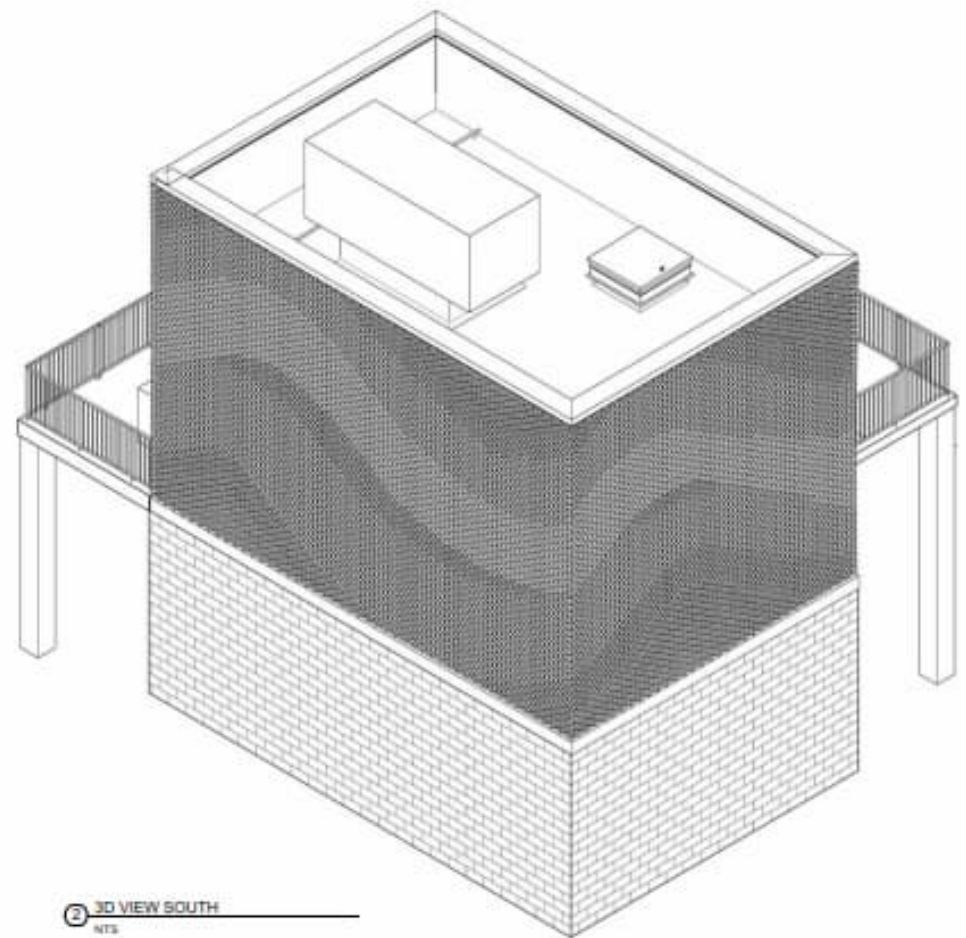
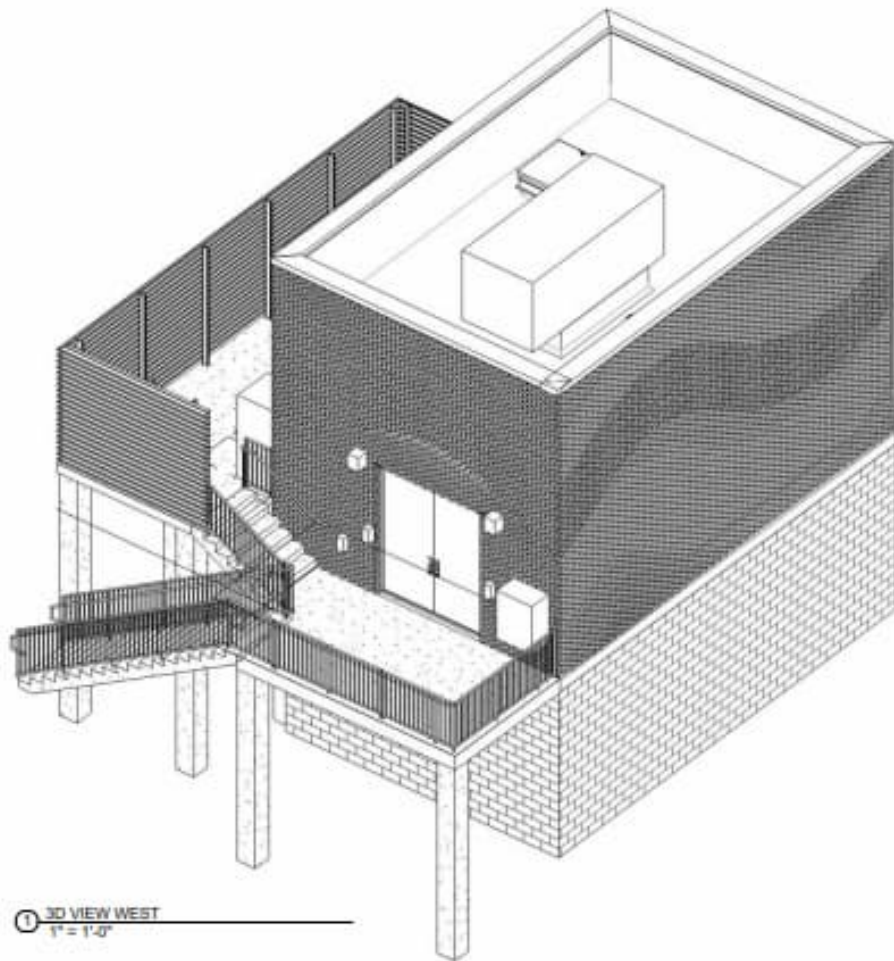
## O27 Site – Drop Shaft, Regulator, Flow Diversion, Control Building, Outfall, and River Wall (ORT TBM Retrieval; CCT TBM Launch; DWT Shaft)



OVERALL 3D VIEW OF O27 DROP SHAFT, REGULATOR, DIVERSION MANHOLE AND OUTFALL



O27 Site – Drop Shaft, Regulator, Flow Diversion, Control Building, Outfall, and River Wall  
(ORT TBM Retrieval; CCT TBM Launch; DWT Shaft)

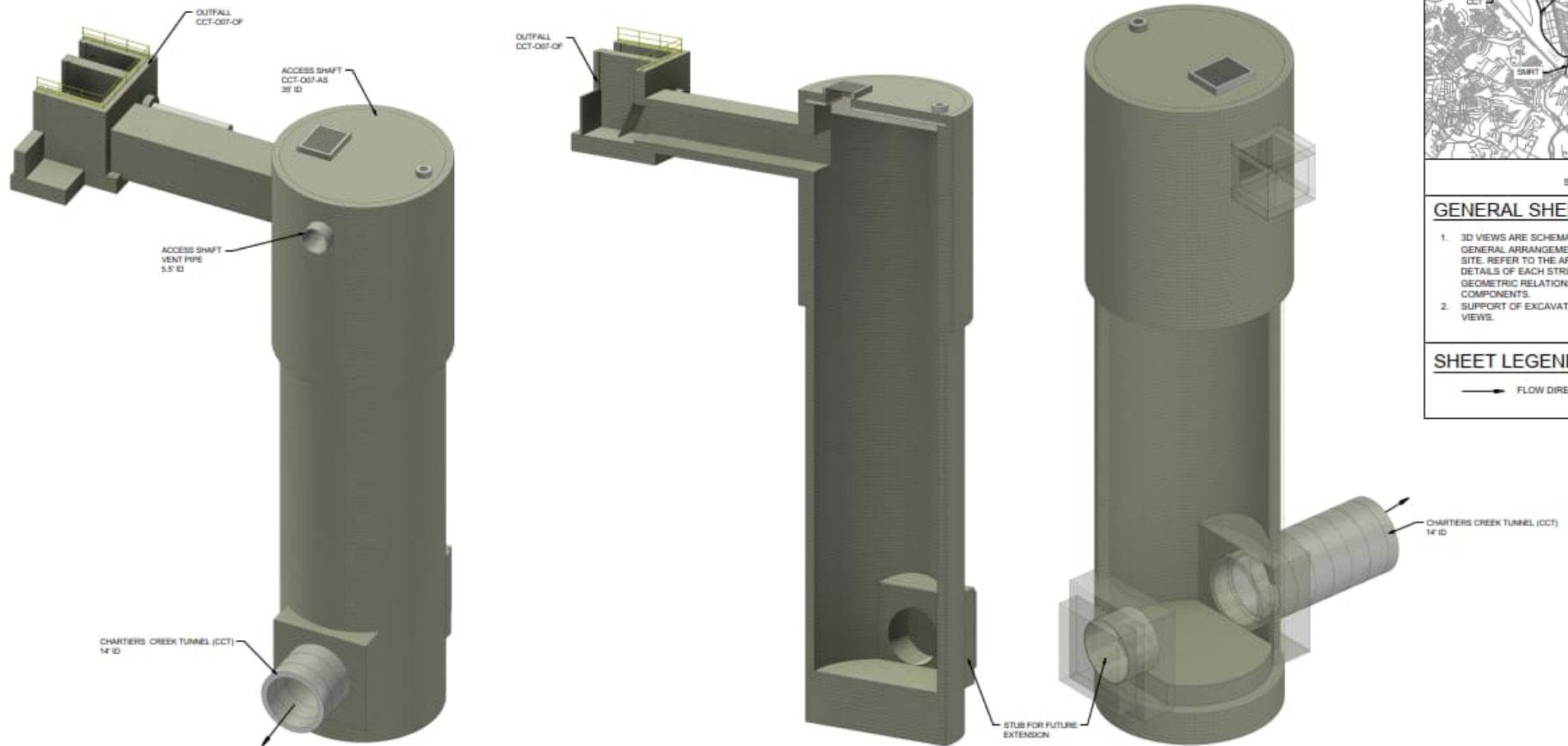


## O07 Site – Access Shaft (CCT Retrieval) and Outfall



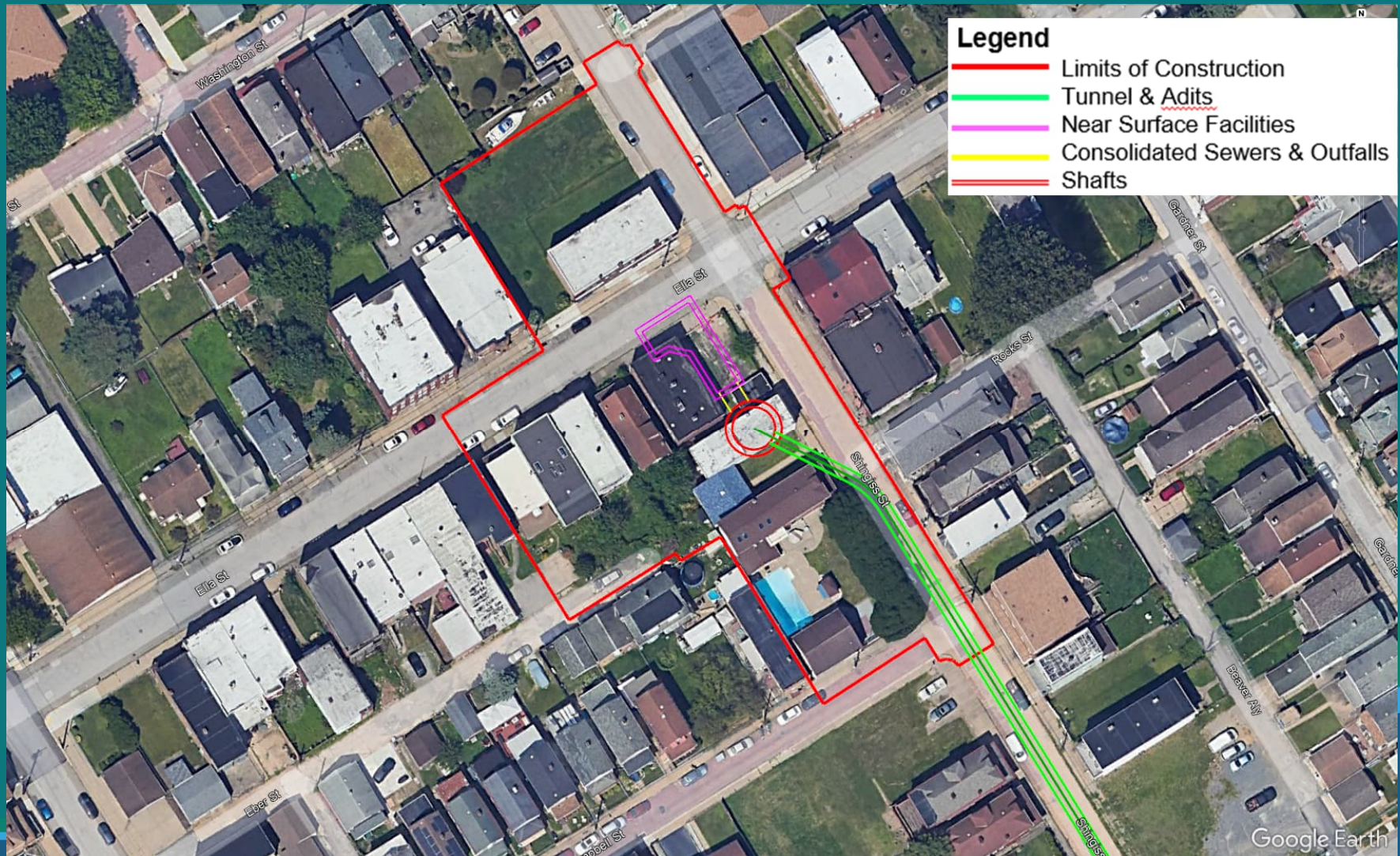


## O07 Site – Access Shaft (CCT Retrieval) and Outfall



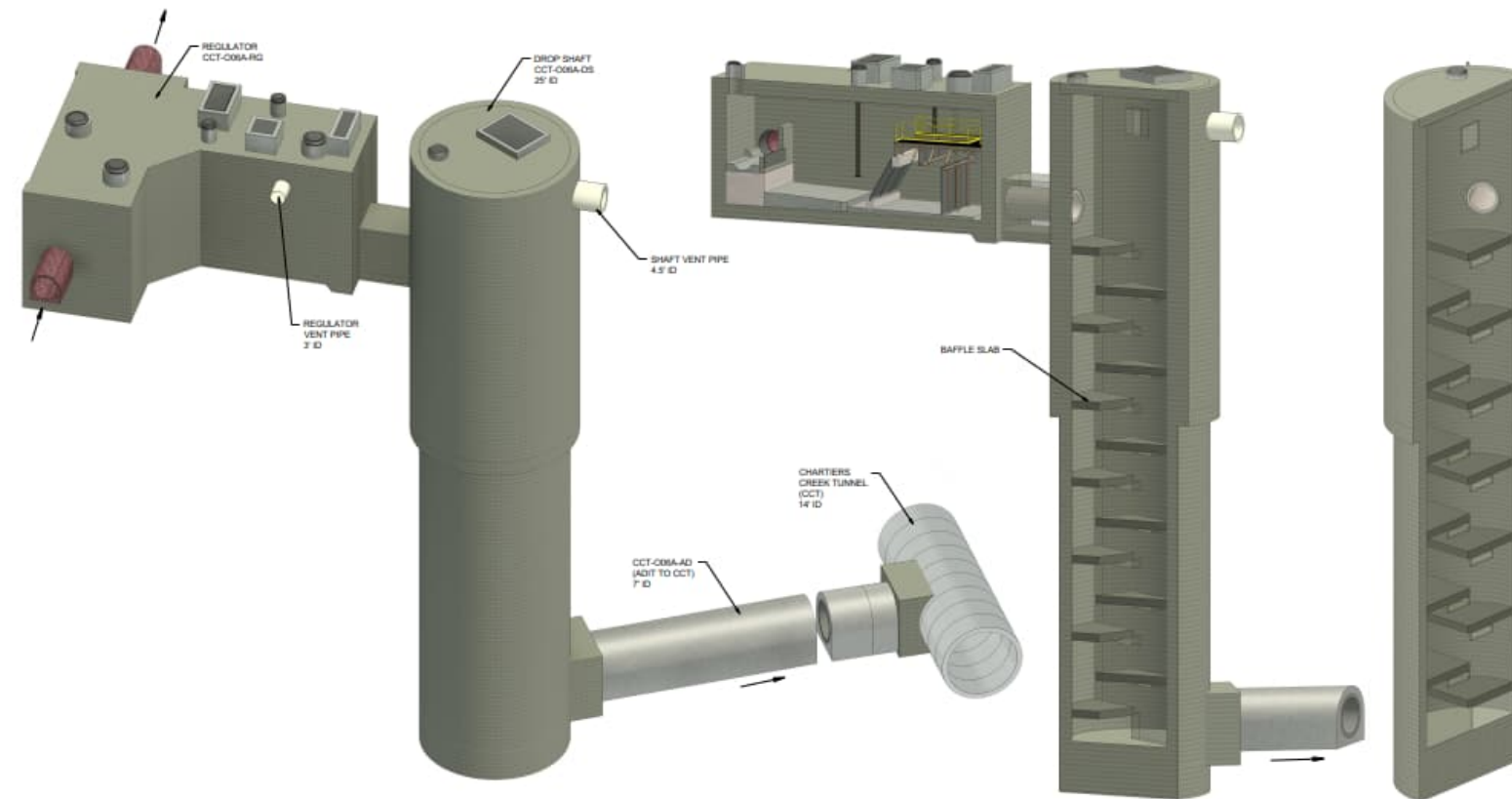
**3D VIEW O07 SHAFT & OUTFALL**  
SCALE: NTS

## O06A Site – Drop Shaft, Adit and Regulator

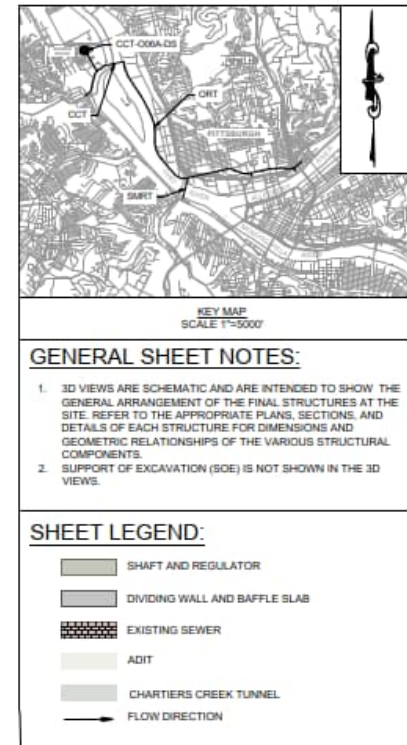




## O06A Site – Drop Shaft, Adit and Regulator



3D VIEW O06A DROP SHAFT & REGULATOR  
SCALE: NTS



# Part 7 - Permitting and Environmental Overview



## Approved ORT Permits/Approvals

Agency	Permit/Approval/Submission Type	Status	Specification Section
COP Addressing Office	Near Surface Site Addresses (6 Sites)	Issued	Not included
COP DCP	Stormwater Management Plan (6 Sites)	Issued	Not included
COP DCP	ZDR – Variances (6 Sites)	Issued	Not included
COP DCP	Zoning Development Review (Record of Zoning Approvals) (6 sites)	Issued	Not included
COP PLI	Floodplain Development (6 sites)	Issued	01 31 00
COP PLI	Building permits at O27 & A58 <ul style="list-style-type: none"> <li>Mechanical</li> <li>Electrical</li> <li>Plumbing Review (by ACHD)</li> <li>Hydrant (by Fire Bureau)</li> </ul>	Approved Approved Approved Approved	01 31 00 (Approvals) Issuance pending Contractor's information via upload to OneStopPGH
COP PLI	Building & Development Applications (BDAs) at O27 & A58	Approved	01 31 00 (Approvals) Issuance pending Contractor's information via upload to OneStopPGH
COP PLI	Tank Permits at O27 & A58 (by Fire Bureau)	Approved	Not issued. Issuance pending Contractor's information via upload to OneStopPGH
COP DOMI	Curb Cut Permits	Issued	01 31 00
McKees Rocks Borough	Land Development (2 sites)	Approved & Recorded	Not included
PennDOT	Highway Occupancy Permit for crossings of 20 state route segments (including FHWA approval of interstate highway crossings)	Issued	01 31 00
PADEP and ACCD	NPDES Individual Permit for Discharges of Stormwater Associated with Construction Activities	Issued	01 31 00 (draft). Final (including Material Management Plan) via addendum.

# Pending ORT Permit Approvals

Agency	Permit/Approval/Submission Type	Specification Section
COP/DOMI	License Agreement (Draft)	Not included
COP/DOMI	Encroachment Permit at O14 (Pending)	01 31 00 (by addendum)
McKees Rocks Borough	Agreement (Draft)	Not included
CSX Transportation	Facility Encroachment Agreements (2) (Draft)	Not included
Norfolk Southern Railway	License Agreement (Draft)	Not included
Pittsburgh & Ohio Central Railroad (Genesee & Wyoming)	Occupancy Agreement (Draft)	Not included
Pittsburgh & Ohio Central Railroad (Genesee & Wyoming)	Construction Maintenance Agreement (Draft)	01 90 00 (by addendum if contractor requirements are stipulated)
PADEP and USACE	Joint Permit Application (Chapter 105 Water Obstruction and Encroachment Permit and Section 10 and Section 404 Permit)	01 31 00 (by addendum if contractor requirements are stipulated)

## Permits/Approvals/Submittals that the Contractor May Need to Acquire

Agency	Permit/Submission Type	Specification Section
COP DOMI	General Contractor License, Construction Staging (barricades, demolition dumpster, machinery, materials, scaffolding, unmanned aircraft system), Traffic Work Permits, Traffic Obstruction, Temporary Traffic Control, Maintenance and Protection of Traffic Plans, Street Opening, Encroachment, Curb Cuts (in addition to Curb Cut Permits obtained by ALCOSAN), Construction Management Plan	01 31 00
COP Bureau of Fire, EMS, OEMHS	Transportation of explosives with escort, On-site explosive material storage, Blasting, Confined space access coordination, Tank Permits at O27 & A58 (by Fire Bureau)	01 31 00 31 71 16
COP PLI	Building permits at O27 & A58: Mechanical, Electrical, Plumbing Review (by ACHD), Building & Development Applications at O27 & A58, Hydrant (by Fire Bureau), Fire Alarm, Mechanical systems, Special Inspections and related permits, Demolition Permit (O14), Tree removal and tree planting permits	01 31 00
McKees Rocks Borough	Maintenance and Protection of Traffic and Traffic Controls, Street/Road Openings, Building Permits, Oversize Load Permits	01 31 00
ALCOSAN, McKees Rocks, Pittsburgh Water	Discharge of construction water and groundwater to existing sewers	01 31 00
Pittsburgh Water, McKees Rocks, West View Water Authority	Permits from utility owners, and other agencies concerning construction procedures, temporary utilities, and connections to existing systems	01 31 00
ACHD	Air quality permits for temporary emissions during construction and for permanent emergency generator emissions, Plumbing installation permits, asbestos and lead paint removal permits	01 31 00
PADEP	Blasting Activity Permit, Explosives Storage License, Waste disposal permits	01 31 00
COP DOMI, McKees Rocks, Allegheny County DPW	Hauling, overweight and oversized load permits for local streets, County roads and bridges, state highways, tunnels, and bridges	01 31 00
PA Department of State Board of Crane Operators	Licensing for crane operators	01 31 00
Various Federal, State and Local	Permits for transport, storage, and use of blasting materials, and explosives	01 31 00 31 71 16
COP	On-site construction facilities and Owner construction facilities and field offices	01 31 00
CSX Transportation, Norfolk Southern, Pittsburgh & Ohio Central (Genesee & Wyoming)	Work within railroad rights-of-way	01 31 00, 01 90 00
US Army Corps of Engineers, US Coast Guard, PA Fish & Boat Commission	For work or transport in waterways that may impact navigation (Ohio River, Allegheny River, Monongahela River, and Chartiers Creek)	01 31 00

## Environmental Site Assessments (ESAs) are in Appendix E – Supplemental Information (for reference only)

ORT Project Site	ESAs and Related Documents
AS1	<p>Preliminary Environmental Subsurface Investigation – Buncher Property – North Side (2014)</p> <p>Phase I ESA for Buncher Parcels (South Canal, Warfield, Progress, &amp; Chestnut Streets) (2022)</p> <p>Phase I ESA for Non-Buncher Parcels (South Canal, Warfield, &amp; Chesbro Streets and Carpenter Way) (2022)</p> <p>3 Asbestos Survey Reports for 3 buildings demolished in 2025</p> <p>3 Lead-Based Paint XRF Testing Reports for 3 buildings demolished in 2025</p>
A58	Phase I ESA – River Avenue Parcels (2022)
A48	Phase I ESA – Martindale Street Parcels (2023)
O41	<p>Phase I ESA – Cardello Electric Supply Company Site (2020)</p> <p>Phase II ESA – Cardello Electric Supply Company Site (2020)</p> <p>O41 Sampling Points</p> <p>Analytical Report (2024)</p> <p>Cardello Building Asbestos Report – Demolished by Others</p> <p>Adjoining Property Environmental Covenant - Rivers Casino (2014)</p>
O14	<p>Phase I ESA for Battaglia Auto Recycling (2020)</p> <p>Phase II Subsurface Investigation for Battaglia Parcels (2020)</p> <p>Letter of Work Performed – Disposal Services – Soil Excavation (2022)</p> <p>Phase I ESA for Huber Parcels (2022)</p> <p>Phase I ESA for Buncher Parcel (2024)</p> <p>Phase I ESA for Guttman Parcel (2024)</p> <p>Asbestos Survey Report for 1 building on former Huber parcel</p> <p>Lead-Based Paint XRF Testing Report for 1 building on former Huber parcel</p>
O27	Phase I ESA – Valspar/Sherwin-Williams Site (2021)
O07	<p>Phase I ESA – Former Jim Crivelli Chevrolet Site (2020)</p> <p>Phase II ESA – Former Crivelli Dealership Site (2020)</p> <p>Crivelli Site – Additional Investigation – Geophysical Survey (2022)</p>
O06A	<p>Phase I ESA – Ella and Shingiss Street Site (2023)</p> <p>4 Asbestos Containing Materials Inspection and Lead-Based Paint Inspection Reports for 4 buildings to be demolished in 2025 by others</p> <p>5 Pre-Demolition Asbestos Containing Materials Inspection and Limited Lead Paint Sampling Report for 5 buildings to be demolished in 2025 by others</p>



# Part 8 - ALCOSAN Procurement Update



# ALCOSAN PROCUREMENT UPDATE

## MBE/WBE REQUIREMENTS

- **GOALS:** It is the policy of the Owner to award a fair share of contracts to minority and women's businesses. The goal of the Owner is that ten to twenty-five percent (10% to 25%) 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 will allow lower-tier subcontractor participation to contribute to the Bidder's MBE/WBE goal of ten to twenty-five percent (10% to 25%).
- **ACCEPTANCE REQUIREMENTS:** ALCOSAN accepts DBE certification from the PAUCP, WBENC, EMSDC and other states' agencies and DOTs. Any other certification will be reviewed on a case by case basis.
- **REQUIRED DOCUMENTATION:** Lack of submittal of MBE/WBE documentation is possible cause for rejection of the bid.
- **WHERE TO FIND COMPANIES:** The PA UCP ([www.paucp.com](http://www.paucp.com)) site is a good resource to find companies. ALCOSAN also has a list of firms registered on their website. This list will be attached to the first addendum.
- **REPORTS:** ALCOSAN requires the submittal of a monthly MBE/WBE Utilization Report which will accompany the pay estimates.

# Part 9 – Questions

\*\*\*Final reminders \*\*

- 1) add name, company and email address in chat
- 2) site tour is on the 22nd July 2025. Only prime contractors may attend with a maximum of 4 representatives per prime contractor. Contractors must bring your own safety PPE and be prepared for inclement weather. A separate email invite with the itinerary will be issued.



**Addendum No. 1**  
**Attachment B**  
**Pre-Bid Meeting Attendance Sheet**

**CONTRACT NO. 1797**  
**OHIO RIVER TUNNEL**

**PRE-BID SIGN IN SHEET**

*\*\* the below information was compiled directly from the Microsoft Teams chat sign in, listing is in the order of sign-in \*\**

Name	Company	Email	Phone	Certifications
Dan Kelly	Multivista	d.kelly@multivista.com	412-427-5823	
Virginia Culbreath	Pittsburgh International Airport			
Bernard Rohe	Tectonic Engineering 412	brohe@tectonicengineering.com	412-897-7300	
Robert Stier	Drill Tech Drilling & Shoring	bob.stier@drilltechdrilling.com	410.598.1933	
James Davies	Advanced Construction Techniques	jdavies@agtgrouip.com	877-373-7248	
Ed Reese	GPD Group	ereese@gpdgroup.com	412-302-0565	
Brian Westrom	Mele & Mele & Sons	bwestrom@meleinc.com	412-861-6357	
Jani Pierre	Cosmos Technologies	jpierre@cosmostechnologiesinc.com	412-321-3951	
Daniel McIntyre	Graciano Corporation	dmcintyrejr@graciano.com	412-963-8400	
Maumita Mandal	H & M Associates LLC	admin@hmassociates-usa.com	412-855-7939	WBE, MBE, WOSB, 8a
Marc Potter	Granite Construction	marc.potter@gcinc.com	708-473-1842	
Rod R. Shoulders	Jay Dee Contractors	rshoulders@jaydee.us	734-591-3400	
Daniel Dupre	Keller North America	dxid@keller-na.com	305-297-3129	
Shawna Munn	Aecon Group	smunn@aecon.com	437-347-8957	
Hannah Iezzoni	Keller NA	hannah.iezsoni@keller-na.com	720-443-0728	
Matt Burdick	Traylor Bros.	mburdick@traylor.com	253-255-5731	
Nicola Debenedetti	Webuild Group / Lane Construction	n.debenedetti@webuildgroup.com	347 769 8046	
Leo Weiman-Benitez	Barnard Construction Co.	leo.weiman@barnard-inc.com	303-808-6721	
Craig Whyte	Golden Triangle Construction Co	estimating@gtcpgh.com	724-828-2800	WBE
Scott Black	ASI Marine	sblack@asi-group.com	905-650-6564	
Bret LePard	Sauereisen	bklepard@sauereisen.com	412-963-0303	
Dave DiTullio	Delve Underground	ditullio@delveunderground.com	724-255-4545	
Chris Deklewa	Joseph B. Fay Co.	cdeklewa@shikunusa.com	412-471-4200	
GIL BERRY	GIL BERRY AND ASSOCIATES	GILBERRY60@YMAIL.COM	412-720-1448	DBE
Joe Iniguez	Halmar International	jiniguez@halmarinternational.com	214-906-7669	
Andrew Grover	On-Site Ready Mix	groverandrew36@gmail.com	724-713-3723	
John Criss	Pini Group USA	john.criss@pini.group	412-670-3388	
Greg Franz	3 Rivers Tunnel Constructors	Greg.Franz@trumbullcorp.com	412.292.8312	
Michael Beck	Beck Restoration Management Group	mbeck@beckrmg.com	330-572- 7697	
Gunni Nixon	Keller North America	gunni.nixon@keller-na.com	972-247-6767	
John Wise	Nicholson Construction Company	john.wise@nicholsonconstruction.com	412-389-1604	
Orlando Holmes	Ashlar Structural	oholmes@ashlarstructural.com	845-274-0013	
Cathy Shepherd	Tail Industries	cshpherd@tail-industries.com	412-781-9500	
Jerome DUPRONT	Nicholson Construction Company	jerome.dupront@nicholsonconstruction.com	724-914-7190	
Mark Gentile	Trumbull Corporation	Mark.Gentile@trumbullcorp.com	412.287.9159	
Joanna Foley	Lane Construction	jkfoley@laneconstruct.com	806-620-7042	
Zane McShane	Nicholson Construction	zane.mcshane@nicholsonconstruction.com	412-260-4628	



**CONTRACT NO. 1797**  
**OHIO RIVER TUNNEL**

**PRE-BID SIGN IN SHEET**

*\*\* the below information was compiled directly from the Microsoft Teams chat sign in, listing is in the order of sign-in \*\**

Name	Company	Email	Phone	Certifications
Darrell Liebno	Obayashi Corporation	Darrell.Liebno@obayashi-usa.com		
Randy Work	Marion Hill Associates	rwork@marionhilldivers.com	724-494-5889	
Evan Ring	Brayman Construction Corporation	estimating@brayman.com	724-443-1533	
Scott Lewis	Triad Engineering & Contracting	scott.lewis@triad-engineering.com	440-786-1000	
Harold Gathers	Schnabel 484	harold.gathers@schnabel.com	484-940-5498	
Rene C. Reichl	BabEng LLC	rr@babeng.com	786-390-2420	
Derek Berthelot	URETEK USA	dberthelot@uretekusa.com	225-400-1426	
Brad Crenshaw	Richard Goettle	bcrenshaw@goettle.com	678-296-9901	
Tom Gustafson	PEER Consultants, P.C. (C/O Gil Berry & Assoc)	gustafson@peerpc.com	978-930-4349	
Santiago Tejeiro	Nicholson Construction	santiago.tejeiro@nicholsonconstruction.com	303-242-9379	
Michael Krulc	Traylor Bros.	mkrulc@traylor.com	323-633-0609	
Fernando Bolinaga	Ghella USA corp	fbolinaga@ghella.com	305-717-0909	
Jett Walker	Lane Construction	CJWalker@LaneConstruct.com	817-632-3795	
Ehsan Alavi	Jay Dee Contractors	ealavi@jaydee.us	734-855-5064	
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John Concato	Cooper Trading			
Glenn Geary	12 Bravo Inc.	glenn@12Bravocc.com,	412-977-5743	SDVOSB
Michael Ryder	Delve Underground	ryder@delveunderground.com	412-370-6356	
Curtis Miller	Cosmos Technologies	curtismler@cosmostechnologiesinc.com	412-321-3951	MBE
Nicole Dewar	Aecon Group	ndewar@aecon.com	416-316-1489	
Donna Chappel	Advanced Integration Group	dchappel@aigcontrols.com	412-722-0065	WBE, WOSB, SBE, DBE
Natasha Vlcek	Compressed Air Medical Services LLC	office@compressedairmedical.com	855-204-4450	
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Mirko Martini	Lane Construction	mimartini@laneconstruct.com	202-381-7257	
John Concato	Cooper Trading	john@ctipa.com	724-433-7805	MBE, DBE
Jacyna Pena	G. Stephens	jpena@gstephensinc.com	216-413-0082	
Leon Jacobs	Halmar International	ljacobs@HalmarInternational.com	845-735-3511	
Harsha Challa	Keller North America	harshavardhan.challa@keller-na.com	225-572-2551	
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James Nickerson	Granite Construction	james.nickerson@gcinc.com		
Jamie North	DLZ	jnorth@dlz.com	412-319-4055	MBE
Marki B. Johnson	G. Stephens, Inc.	mjohnson@gstephensinc.com	216.338.7778	
Juan Williams	Williams Bridge Beam Construction	williamsbridgebeamconstruction@gmail.com	412-496-4755	MBE, DBE

**CONTRACT NO. 1797**  
**OHIO RIVER TUNNEL**

**PRE-BID SIGN IN SHEET**

*\*\* the below information was compiled directly from the Microsoft Teams chat sign in, listing is in the order of sign-in \*\**

Name	Company	Email	Phone	Certifications
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Carlos A Tobias	The Lane Construction Corporation	CATobias@laneconstruct.com	972-741-9997	
Filippo Azzarà	Lane Construction	fazzara@laneconstruct.com	202-322-3245	
Dave Merritt	Kayden Environmental Services	Dmerritt@kaydenindustries.com	304-212-1566	
Shaista Tejada	Bauer Foundation Corp.	shaista.tejada@bauerfoundations.com	813-219-0557	
Harry Jack	Lane Construction	hejack@laneconstruct.com	412-328-1620	
April Brouwer	Delve Underground	brouwer@delveunderground.com	412-754-4955	
Elisa Comis	Pini Group USA	elisa.comis@arx.ing	440-317-1551	
Mohamed Younis	Subsurface & Tunnel Engineering llc	mayounis@steng-llc.com	301-685-5329	
Martino Scialpi	Pini Group USA	martino.scialpi@arx.ing	402-536-0313	
Michael Chrismer	Mersino Water Solutions	Michael.chrismer@mersino.com	248-892-6916	
Nick Oliver	BFW Group	Nick@bfwgroup.net	267-596-2081	
Moustafa Awad	Infrazign	Moustafa.awad@infrazign.com	571-274-7415	DBE
Cyril Sleiman	Bauer Foundation Corp.	cyril.sleiman@bauerfoundations.com	415 -510 -0701	
Andrew Gagne	ELCON Technologies	andrew.gagne@elcontech.com	412-822-8250	
Asagi Nagatoishi	Obayashi Corporation	asagi.nagatoishi@obayashi-usa.com	650-541-6702	
Ursula Amrhein	Ghella USA Corp.	uamrhein@ghella.com	225-328-5947	
Michael Surman	Granite Construction Co.	mike.surman@gcinc.com	847-980-5954	
Brian Harris	Drill Tech	brian.harris@drilltechdrilling.com	925-978-2060	
Anthony Lucido	Legacy Foundations	ALucido@legacyfoundations.com	801-739-6226	
Matt Ewald	AHBeck	matt.ewald@ahbeck.com	210-287-3427	
Trent Knight	Richard Goettle	tknight@goettle.com	724-372-0329	
Ajay Devadanam	BFW Group	ajay@bfwgroup.net	215-813-7559	
Carlos A Tobias	Lane Construction	CATobias@laneconstruct.com		
Ron Scheller	Joseph B. Fay Co.	rscheller@shikunusa.com	412-508-1796	
James Undicelli	Jay Dee Contractors	jundicelli@jaydee.us		
Kyle Carmody	Richard Goettle, Inc.	kcarmody@goettle.com	513-604-3024	
Harry Hardman	Trumbull Corp			
Catalina Rivera	J.F Shea Construction	catalina.rivera@jshea.com	626-774-4589	
Chad Wells	Trivaco	cwells@trivaco.com		
Paul Hartley	Joseph B. Fay Co.	phartley@shikunusa.com	724-265-4600	
Valerio Facca	Webuild Group / Lane Construction	v.facca@webuildgroup.com	339 472 8172	
Shmuel Ashkenazi	Shikun & Binui	shmuel_as@shikunbinui.com	412-874-1507	
Jon Sossong	Sunbelt Rentals Trench Safety	Jon.sossong@sunbeltrentals.com	412-925-3245	
John Wise	Nicholson Construction Company	john.wise@nicholsonconstruction.com	412-389-1604	
Maumita Mandal	H & M Associates LLC	admin@hmassociates-usa.com	412-855-7939	WBE, MBE, WOSB, 8a
Paolo Mandracchia	The Lane Construction Corporation	pmandracchia@laneconstruct.com	571-413-7725	

**CONTRACT NO. 1797      PRE-BID SIGN IN SHEET**

**OHIO RIVER TUNNEL**      *\*\* the below information was compiled directly from the Microsoft Teams chat sign in, listing is in the order of sign-in \*\**

Name	Company	Email	Phone	Certifications
Harry Hardman	Trumbull Corporation	hhardman@trumbullcorp.com	412-807-2150	
Ralph J. Pagone	Richard Goettle	rpagone@goettle.com	412.298.9139	

**Addendum No. 1**  
**Attachment C**  
**Site Visit Handouts**

# CONTRACT 1797 – OHIO RIVER TUNNEL

## PRE-BID SITE TOUR

Tuesday, July 22, 2025, 9:00AM

*Any information supplied, or answers given, during the site visit is for information only. All bidders must refer to the Contract Documents when compiling their bids.*





# ITINERARY

Stop #	Location	Time	Duration		GPS ADDRESS
	<b>Morning</b>			route ==>	
	Prison Lot (parking)	9:00 AM		minutes	3001 Beaver Ave Pittsburgh, PA 15233
	Load and Travel	9:00 AM	10	minutes	
1	Core Shed (drive by, not going inside)	9:10 AM	5	minutes	2001 Preble Avenue, Pittsburgh, PA, 15233
	Load and Travel	9:15 AM	0	minutes	
2	O41	9:15 AM	25	minutes	675 Belmont Street, Pittsburgh, PA 15233
	Load and Travel	9:40 AM	10	minutes	
3	AS1	9:50 AM	25	minutes	500 Chesbro Street, Pittsburgh, PA 15212
	Load and Travel	10:15 AM	5	minutes	
4	A58	10:20 AM	25	minutes	200 Voegtly St, Pittsburgh, PA 15212
	Load and Travel	10:45 AM	10	minutes	
5	A48	10:55 AM	25	minutes	501 Martindale St, Pittsburgh, PA 15212
	Load and Travel	11:20 AM	5	minutes	
6	<b>Lunch Break - stop at North Shore Restaurants; Southern Tier, Burgatory, Jason Aldeans, Shortys, Bar Louis. * everyone is on their own for lunch *</b>	11:25 AM	110	minutes	Bus drop off at GOLD LOT 2, 358 N Shore Dr, Pittsburgh, PA 15212 (behind Southern Tier)
	<b>Afternoon</b>			route ==>	
	Load and Travel	1:15 PM	15	minutes	Bus pick up at GOLD LOT 2, 358 N Shore Dr, Pittsburgh, PA 15212 (behind Southern Tier)
7	O14	1:30 PM	25	minutes	1758 Riverside Street, Pittsburgh, PA 15219
	Load and Travel	1:55 PM	15	minutes	
8	O07	2:10 PM	25	minutes	100 Chartiers Ave, McKees Rocks, PA 15136
	Load and Travel	2:35 PM	10	minutes	
9	O06A	2:45 PM	25	minutes	400 Shingiss Street, McKees Rocks, PA 15136
	Load and Travel	3:10 PM	15	minutes	
10	O27	3:25 PM	25	minutes	78 Westhall St, Pittsburgh, PA 15212
	Load and Travel	3:50 PM	10	minutes	
dropoff	Prison Lot - END	4:00 PM		minutes	3001 Beaver Ave Pittsburgh, PA 15233

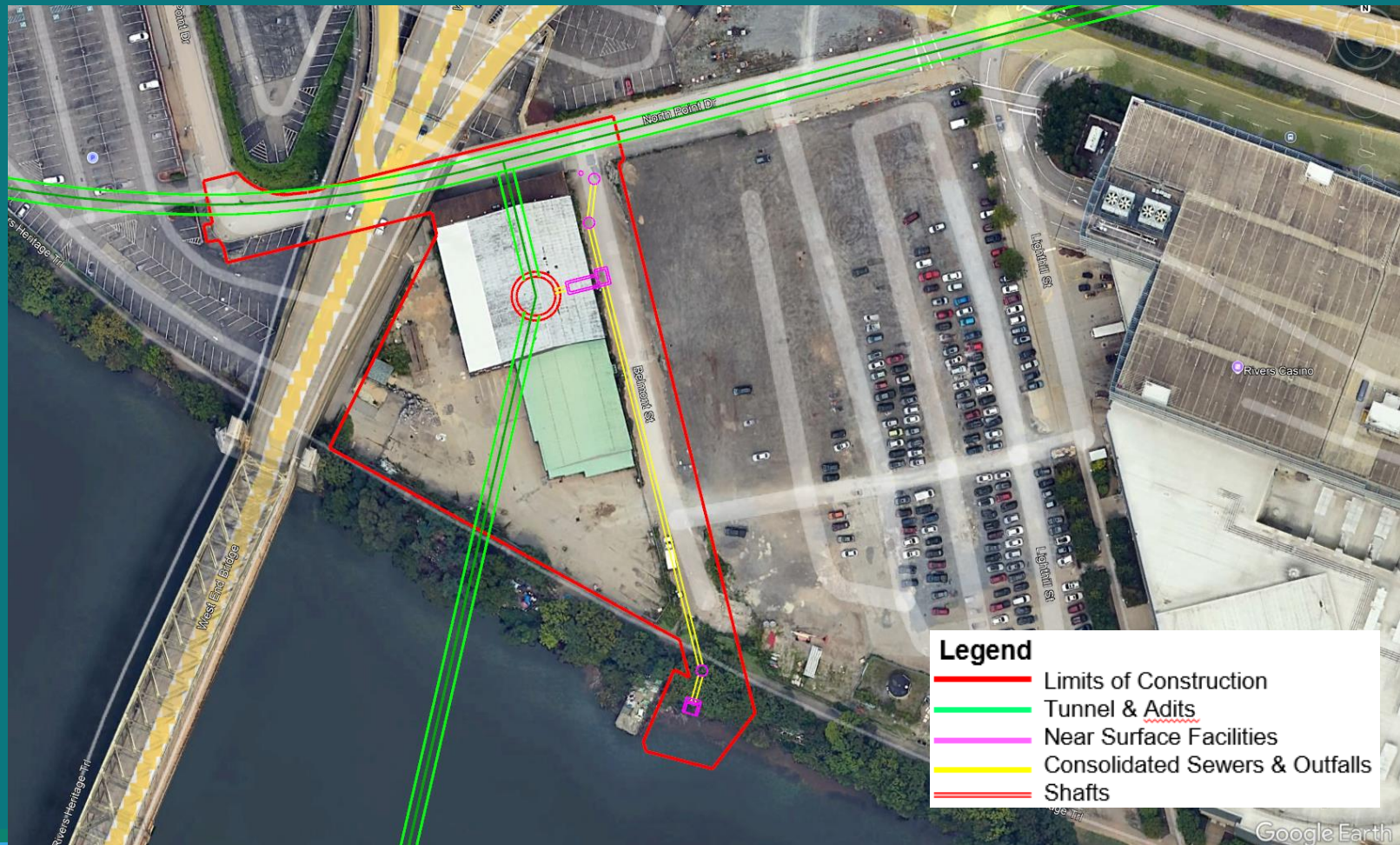


# Ohio River Tunnel (ORT) - Alignment

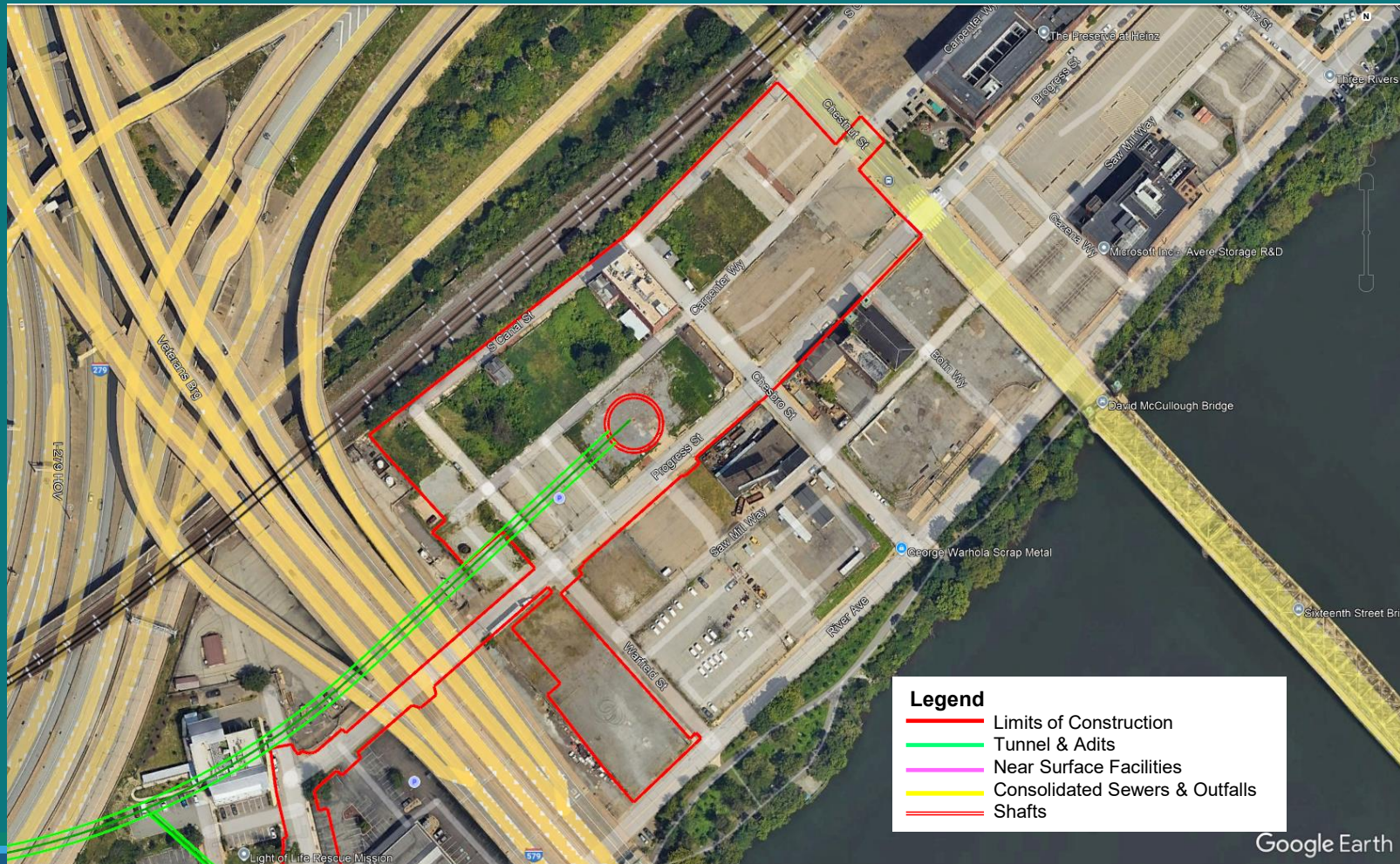
- Launch and retrieval shafts and access shafts for construction.
- ORT – main tunnel, 18-foot finished diameter (segmental lining), approx. 20,000 feet long, 120 to 150 feet below ground surface.
- Chartiers Creek Tunnel – river crossing, 14-foot finished diameter, approx. 4,500 feet long.
- Saw Mill Run Tunnel – river crossing, 14-foot finished diameter, approx. 1,600 feet long.
- Dewatering tunnel (i.e., connector tunnel to the new wet weather pump station) – 8-foot finished diameter, approx. 600 feet long.
- Six drop shafts with internal structures and mined adit connections.
- Near surface facilities at several sites, including regulators, diversion chambers, conveyance sewers, and modified outfalls as well as two aboveground control buildings and a river wall.



# O41 Site – Drop Shaft, Adit, Regulator and Outfall

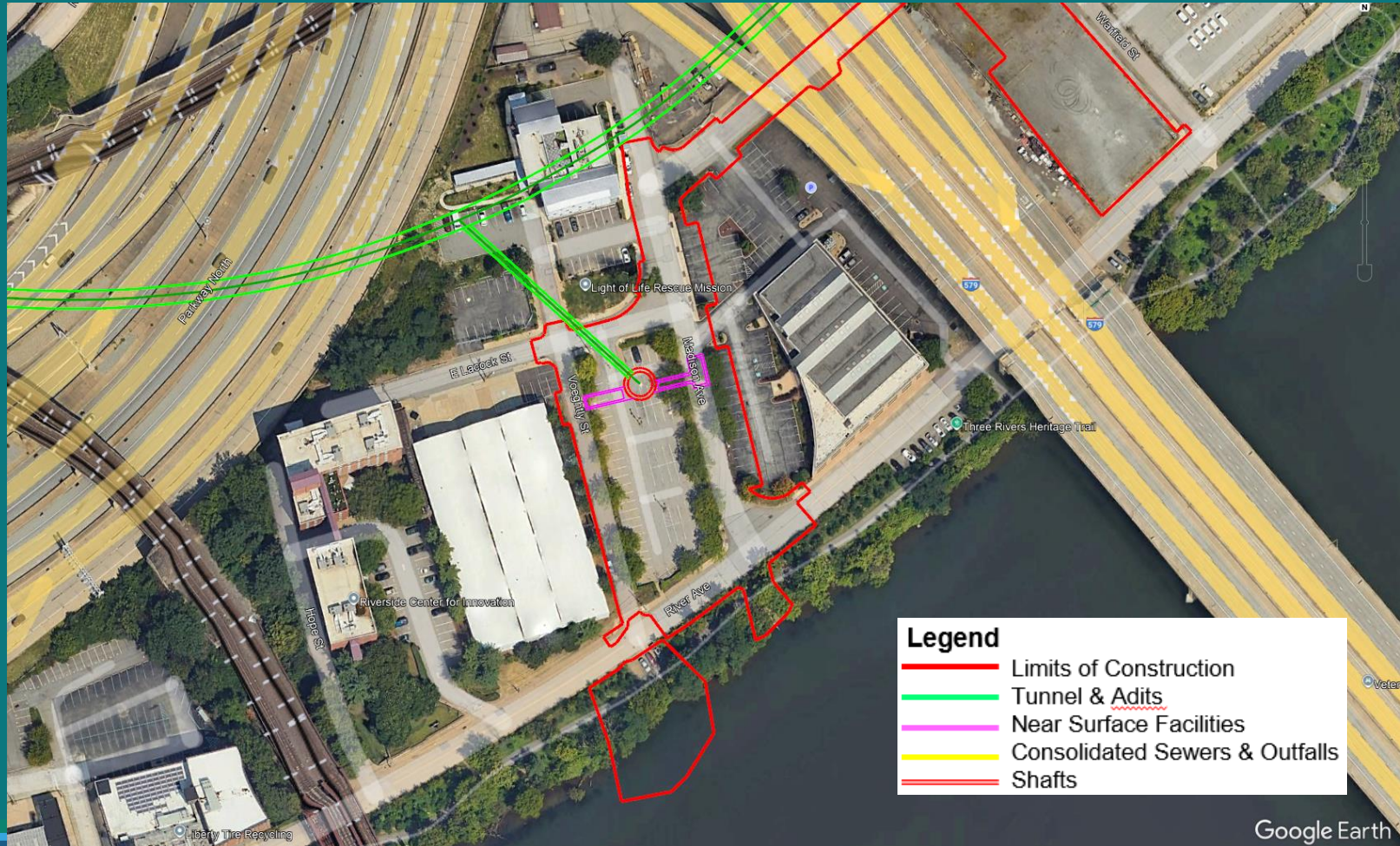








# A58 Site – Drop Shaft, Adit, Regulators (RG1 / RG2), Control Building, and Outfall



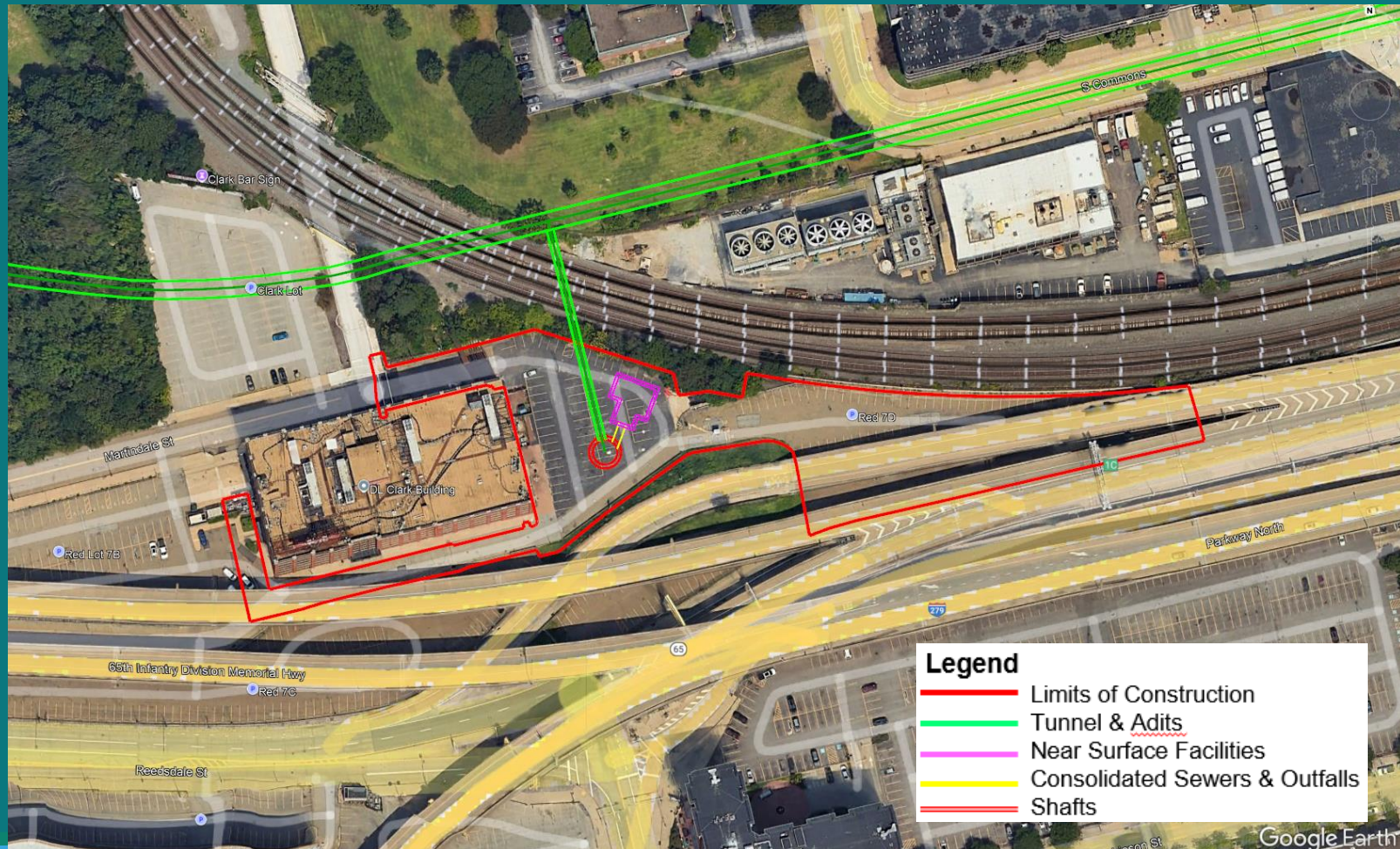
Legend	
	Limits of Construction
	Tunnel & Adits
	Near Surface Facilities
	Consolidated Sewers & Outfalls
	Shafts



Google Earth



# A48 Site – Drop Shaft, Adit, and Regulator



# CONTRACT 1797 – OHIO RIVER TUNNEL

## PRE-BID SITE TOUR

Lunch Break – On Your Own

Bus Departs for Final Sites at 1:15 PM

*Any information supplied, or answers given, during the site visit is for information only. All bidders must refer to the Contract Documents when compiling their bids.*



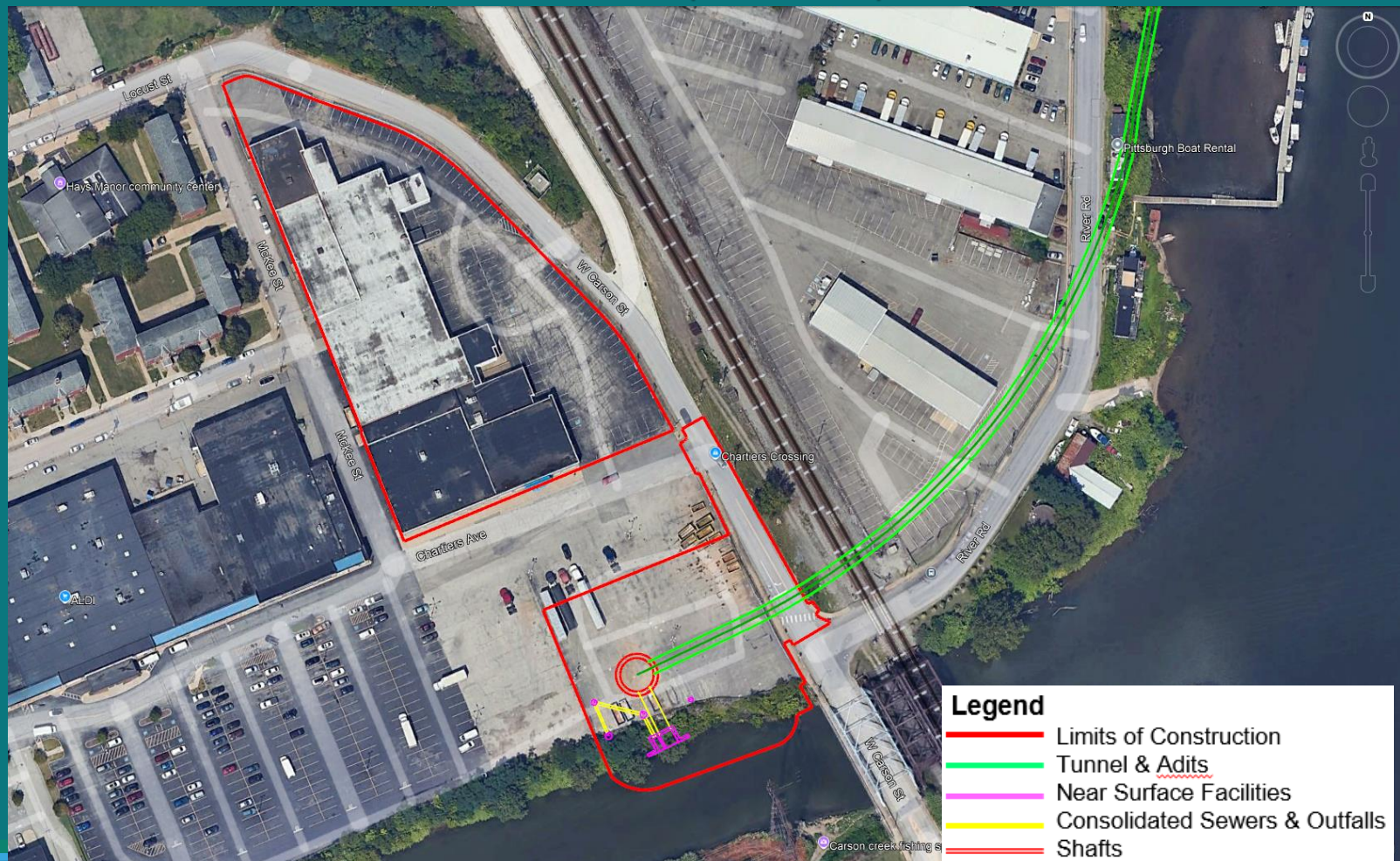


# O14 Site – Drop Shaft, Regulator and Screen Chamber

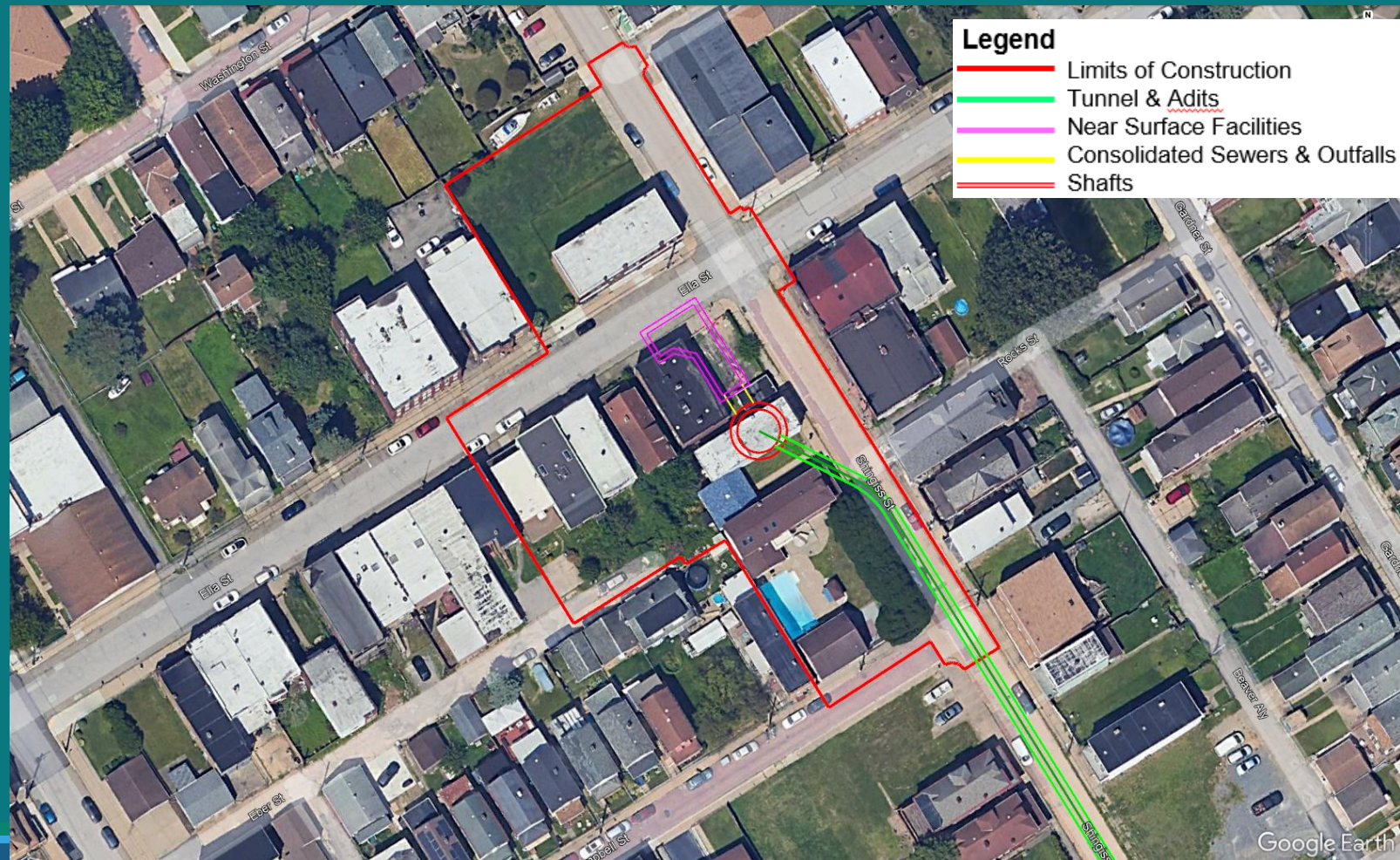




# 007 Site – Access Shaft (CCT Retrieval) and Outfall

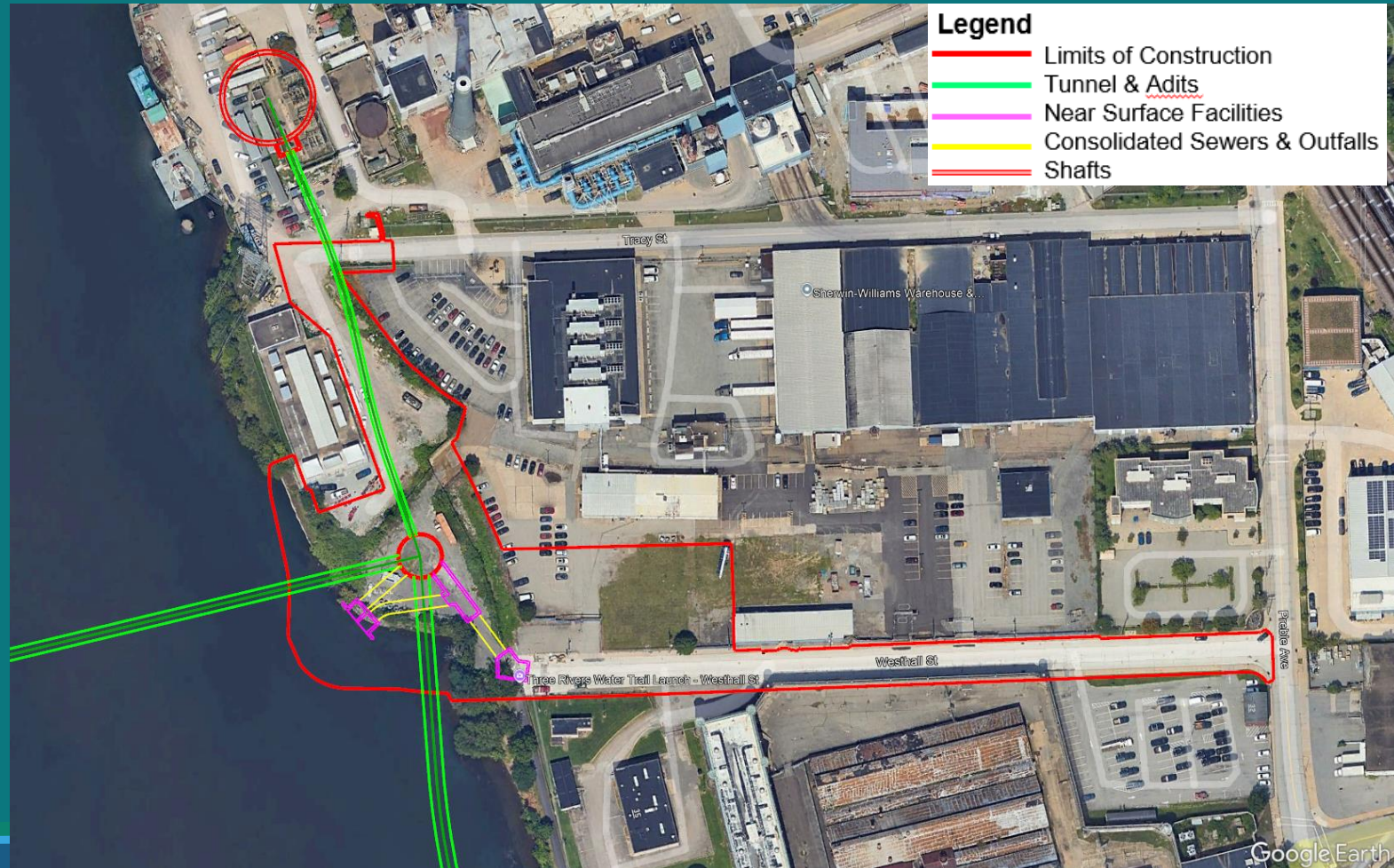








**O27 Site – Drop Shaft, Regulator, Flow Diversion, Control Building, Outfall, and River Wall**  
(ORT TBM Retrieval; CCT TBM Launch; DWT Shaft)



**Addendum No. 1**  
**Attachment D**  
**Site Visit Attendance Sheet**





## SAFETY BRIEFING

ALLEGHENY COUNTY SANITARY AUTHORITY

CONTRACT 1797

OHIO RIVER TUNNEL

Pre-Bid Site Tour Safety Briefing

Tuesday, July 22nd, 2025, 9 AM 3001 Bearver Ave. Pittsburgh PA 15233

--

#	Prime Contractor/JV	Attendee Name	Company	Signature
1	AECON	Roy Chung	Arcon	
2	AECON	Nicole Dewar	Aecon	
3	Joseph B. Fay Company	Chris Deklewa	J.B. Fay Co	
4		Paul Hartley		
5	Brayman Construction / Lane Construction (WeBuild)	Tom Hesmond		
6		Evan Ring		
7		Filippo Azzara		
8		Martino Scialpi		
9	Three Rivers Tunnel Constructors Trumbull Industrial / Oboyashi / JayDee,	James Undicelli		
10		Ehsan Alavi		
11		Greg Franz		
12		Harry Hardman		
13		Stuart Sullivan		
14	Traylor - Shea ORT JV	Richard Taylor	Traylor Bros.	
15		Steve Flori		
16		Mac Ross	MANHATTAN JSR	
17		Brad Lomago		
18	Barnard-Drill Tech JV	Jack Sucilsky	Barnard	
19		Bob Stier		
20		Ben Weldin	Barnard	
21		Leo Weiman-Benetez		
22	GRANITE Granite Construction Co.	Marc Potter	GRANITE	
23		Jim Nickerson	GRANITE	
24		Mike Surman	Granite	
25				
26	Halmar International	Joe Iniguez		
27		Brad Hoffman	Aldea	
28				
29				
30	Southland Holdings, Inc.	Andrew J Graff	Southland	
31				
32	Flatiron Dragados	Cory Mermer		
33				



## SAFETY BRIEFING

ALLEGHENY COUNTY SANITARY AUTHORITY

CONTRACT 1797

OHIO RIVER TUNNEL

Pre-Bid Site Tour Safety Briefing

Tuesday, July 22nd, 2025, 9 AM 3001 Bearver Ave. Pittsburgh PA 15233

--

#	Prime Contractor/JV	Attendee Name	Company	Signature
1	Fay/ S&B USA Construction / Aecon Group, Inc.	Roy Chung		
2		Nicole Dewar		
3		Chris Deklewar		
4		Paul Hartley		
5	Brayman Construction / Lane Construction (WeBuild)	Tom Hesmond	Brayman	
6		Evan Ring	BRAYMAN	
7		Filippo Azzara	LANE CONSTRUCTION	
8		Martino Scialpi	APX / DINI	
9	Three Rivers Tunnel Constructors Trumbull Industrial / Obayashi / JayDee,	James Undicelli	JAYDEE	
10		Ehsan Alavi	JAYDEE	
11		Greg Franz	TRUMBULL	
12		Harry Hardman	TRUMBULL	
13		Stuart Sullivan	OBAYASHI	
14	Traylor - Shea ORT JV	Richard Taylor		
15		Steve Flori	JF Sheen	
16		Mac Ross		
17		Brad Lomago	MASCARDI	
18	Barnard-Drill Tech JV	Jack Sucilsky	BARNARD	
19		Bob Stier	DRILL TECH	
20		Ben Weldin		
21		Leo Weiman-Benetez		
22	Granitr Construction Co.	Marc Potter		
23		Jim Nickerson		
24		Mike Surman		
25				
26	Halmar International	Joe Iniguez	Halmar	
27		Brad Hoffman		
28				
29				
30	Southland Holdings, Inc.	Andrew J Graff		
31				
32	Flatiron Dragados	Cory Mermer	Flatiron Dragados	
33				

ALCOSAN ATTENDEES:

Kim Kennedy

Mike Lichte

Joe Sparbanie

Shawn McWilliams

Zach Hughes

Dan Sharek

Robert Schumm

CONSTRUCTION MANAGER ATTENDEES:

Christian Maguire

Mark Claassen

Tom Prusak

Trent Hughes

PROGRAM MANAGER ATTENDEES

Greg Colzani

FINAL DESIGN CONSULTANT ATTENDEES

Kathy Chavara

Zhenqi Cai

Stephen Polen

**Addendum No. 1**  
**Attachment E**  
**Core Shed Visit Instructions**





# Ohio River Tunnel (Contract No. 1797)

## Pre-Bid Core Shed Visit

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**Project:** Ohio River Tunnel (ORT) Contract No. 1797

**Prepared by:** E. Sibley, Mott MacDonald (FDC)

**Date:** July 23, 2025

**Subject:** Pre-Bid Core Shed Visits

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## 1 Pre-Bid Core Shed Visits

### 1.1 Core shed visit and registration

- Per ORT Article 2 Section 2.05: “each Bidder is required to visit ALCOSAN’s core shed located at 2001 Preble Avenue, Pittsburgh, PA 15233 at least once (in addition to the mandatory Site Tour Visit) but limited to six (6) total workdays (48 work hours) of dedicated access throughout the bid period. A workday is limited to eight hours from 8:00 AM to 4:00 PM and shall not include weekends or ALCOSAN holidays. If more time is needed, it must be formally requested in writing.”
- Appointments are required for planning and accommodation during the bidding period.
- Submit request for appointments via email to [ORT.Bids@alcosan.org](mailto:ORT.Bids@alcosan.org).
- **The core shed will be available for appointments weekly (with a preference for Wednesday and Thursday) between 8:00 AM and 4:00 PM Prevailing Time throughout the bid period. Scheduling of visits requires advance notice of 24 hours for staffing the core shed.**
- Only one Bidder/Bid Team is permitted per core shed visit. No more than one Bid Team is permitted in the core shed at any time.
- **No project-specific questions will be answered during visits; all questions should be submitted to the project email address: [ORT.Bids@alcosan.org](mailto:ORT.Bids@alcosan.org).**

### 1.2 Facility information

- Access: Entrance to the core shed will be by appointment only, during the approved access times, and with ALCOSAN and the FDC present.
- Parking: The core shed facility is in an active warehouse complex where other businesses operate. Please be courteous to the neighboring warehouses by parking near the ALCOSAN facility entrance and not blocking the other warehouses.
- Orientation and sign-in: Visitors will be given a brief safety and facility orientation at the start of their visit. All visitors are required to sign in and to sign out to view the cores.
- Safety:
  - Visitors are required to wear steel toed/composite toe safety boots when visiting the core shed.
  - A small first aid kit is available on-site; however, each bid team should arrive with first aid materials consistent with their individual safety protocols. Above all, in case of emergency call 911.

- The core shed facility is not climate controlled or otherwise air conditioned. Bring adequate water for you and your team and take appropriate safety preventative measures.
- Facilities: The core shed has two bathrooms which are shared with the adjacent warehouse. Please be courteous and keep the facilities clean. Notify ALCOSAN about any issues.

### 1.3 General

- Bidders are not permitted to view the core boxes without a member of ALCOSAN or the FDC supervising.
- If there are specific boreholes and/or core boxes the Bidder already knows in advance that they are interested in viewing, please indicate this in the core shed visit appointment request.
- Contract Documents and Stratigraphic profiles: Bidders are expected to bring their own copies of the contract documents should they want to reference during their core shed visit. ALCOSAN will **not** provide copies of the Contract Documents or stratigraphic profiles.
- Core Boxes: **Bidders are not permitted to move the core boxes.** Representatives from ALCOSAN and the FDC will be present at the core shed and will assist in accessing the core boxes that the Bidder identifies they are interested in viewing.
- Core Handling: **Bidders can view the cores but are not permitted to pick up the core from the core box unless a member of ALCOSAN or the FDC supervises.** If a core is picked up or otherwise moved in the core box, Bidder must replace the core in the correct position and direction it was originally in the box in the presence of ALCOSAN or the FDC.